



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

DMS-DR-2219
NASA CR-144,598

VOLUME 2 OF 2

RESULTS OF AN INVESTIGATION OF JET PLUME
EFFECTS ON AN 0.010-SCALE MODEL (75-OTS) OF THE
SPACE SHUTTLE INTEGRATED VEHICLE IN THE 8 X 7-FOOT
LEG OF THE NASA/AMES UNITARY WIND TUNNEL (IA82C)

(NASA-CR-144598) RESULTS OF AN
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N76-22256

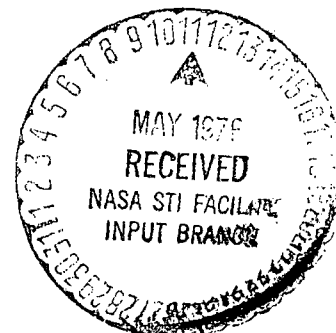
HC \$19.75

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services

SPACE DIVISION



CHRYSLER
CORPORATION

March, 1976

DMS-DR-2219
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SPACE SHUTTLE INTEGRATED VEHICLE IN THE 8 X 7-FOOT
LEG OF THE NASA/AMES UNITARY WIND TUNNEL (IA82C)

by

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Prepared under NASA Contract Number NAS9-13247

by

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New Orleans, La. 70189

for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: ARC 87-044
NASA Series Number: IA82C
Model Number: 75-OTS
Test Dates: November 8 through 15, 1974
Occupancy Hours: 60

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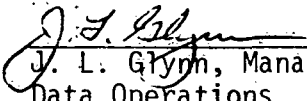
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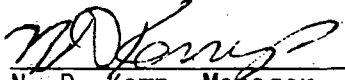
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P. J. Hawthorne, Rockwell International Space Division

ABSTRACT

This document presents results of a wind tunnel test of the Rockwell International Space Shuttle Mated Vehicle in the NASA Ames Research Center at Moffett Field, California. The test is identified as IA82C and was conducted in the 8 X 7-foot leg of the Ames Unitary Plan Wind Tunnel.

The primary test objective was to define the base pressure environment of the first and second stage mated vehicle in a supersonic flow field from Mach 2.60 through 3.50 with simulated rocket engine exhaust plumes. The secondary objective was to obtain the pressure environment of the Orbiter at various vent port locations at these same freestream conditions.

Data were obtained at angles of attack from -4° through $+4^{\circ}$ at zero yaw, and at yaw angles from -4° through $+4^{\circ}$ at zero angle of attack, with rocket plume sizes varying from smaller than nominal to much greater than nominal. Failed Orbiter engine data were also obtained. Elevon hinge moments and wing panel load data were obtained during all runs.

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PLOTTED COEFFICIENTS SCHEDULE:

- A) CBMW, CTMW, CNW, XWCP/L, YWCP/B versus ALPHA
- B) CHEI, CHEO versus ALPHA
- C) CBMW, CTMW, CNW, XWCP/L, YWCP/B versus BETA
- D) CHEI, CHEO versus BETA
- E) DCBMW, DCTMW, DCNW, DXWCP, DYWCP versus MACH
- F) DCHEI, DCHEO versus MACH

NOMENCLATURE

General

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
a		speed of sound; m/sec, ft/sec
C _p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m ² , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m ² , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ρ		mass density; kg/m ³ , slugs/ft ³

Reference & C.G. Definitions

A _b		base area; m ² , ft ²
b _{REF}	BREF	reference span; m, ft
b		model span; m, ft
c.g.		center of gravity
l _{REF} \bar{c}	LREF	reference length, m, ft mean aerodynamic chord; m, ft
S _w	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis
$A_{T_{SRB}}$		SRB nozzle throat area, in ²
$A_{T_{MPS}}$		MPS nozzle throat area, in ²
b_w	BW	wing bending moment, about $Y_0 = 106.$, in-lbf
C_{B_w}	CBMW	wing bending moment coefficient, about $Y_0 = 106$
\bar{c}_e	CE	elevon reference length, in
C_{hei}	CHEI	inner elevon hinge moment coefficient, about hinge line
C_{heo}	CHEO	outer elevon hinge moment coefficient, about hinge line
C_{N_w}	CNW	wing panel normal force coefficient
C_{p_i}	CPi	surface tap pressure coefficient, i = tap number
C_{T_w}	CTMW	wing torsion moment coefficient, about $X_0 = 1307$
δ_{ei}	ELV-IB	inboard elevon deflection, degrees
δ_{eo}	ELV-OB	outboard elevon deflection, degrees
ϵ_{MPS}	EPSLNO	expansion ratio, MPS nozzle
ϵ_{SRM}	EPSLNS	expansion ratio, SRM nozzle
ET	ET	external tank
h_{ei}	HEI	inner elevon hinge moment about hinge line, in-lbs

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
h_{eo}	HEO	outer elevon hinge moment about hinge line, in-lbs
Λ_{LE}	LAMBDA	leading edge sweep angle, deg.
P_s	PS	static pressure, psia
θ_i		nozzle plume boundary exit angle measured relative to the nozzle centerline
ML	ML	local Mach number
MPS	MPS	main propulsion system
n_w	NW	wing panel normal force - lbf
P_i	Pi	surface pressure at ith tap number
P_c		chamber pressure, psia
P_{co}	PCORB	Orbiter chamber pressure, psia
P_{cs}	PCSRM	SRM chamber pressure, psia
P_{ei}	PEi	nozzle exit, i indicates nozzle location, psia
P_L	PL	local static pressure, psia
P_∞	P0	tunnel freestream static pressure, psia
P_t	PT	tunnel freestream total pressure, psia
P_{ti}	PTi	local total pressure at ith probe, psia
P_{co}/P_∞	MPSCPR	Orbiter chamber to freestream pressure ratio
P_{cs}/P_∞	SRBCPR	SRB chamber to freestream pressure ratio
P_{ei}/P_∞	RPEI	exit to freestream pressure ratio at ith station
S_e	SE	elevon computation area, ft ²

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
SRB	SRB	solid rocket booster
SSME	SSME	space shuttle main engines
T_T	TTR	average tunnel total temperature °R
T_{TORB}	TTORB	Orbiter plume air total temperature, °R
T_{TSRM}	TTSRM	SRM plume air total temperature, °R
T_w	TW	wing panel torsion moment, in-lbf
\dot{w}_{SRB}		SRB nozzle weight flow rate, lb/sec
\dot{w}_{MPS}		MPS nozzle weight flow rate lb/sec

Subscripts

i - Nozzle number,

- 1 = Top MPS nozzle,
- 2 = L.H. MPS nozzle,
- 3 = R.H. MPS nozzle,
- 4 = L.H. SRB nozzle,
- 5 = R.H. SRB nozzle,

or:

- i = surface tap numbers, see figure 2i
- ∞ = freestream tunnel conditions
- b = base
- l = local
- s = static conditions
- t = total conditions

NOMENCLATURE (Continued)

Additions

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
XC_p/l_{REF}	XWCP/L	wing center of pressure as a fraction of body length
YC_p/b_{REF}	YWCP/B	wing center of pressure as a fraction of body span
$\Delta\delta_{ei}$	DELVIB	incremental inboard elevon deflection, degrees
$\Delta\delta_{eo}$	DELVOB	incremental outboard elevon deflection, degrees
ΔC_p	DCP	incremental surface tap pressure coefficient
ΔC_{B_W}	DCBMW	incremental wing bending moment coefficient, about $X_0 = 106$
ΔC_{T_W}	DCTMW	incremental wing torsion moment coefficient, about $X_0 = 1307$
ΔC_{N_W}	DCNW	incremental wing panel normal force coefficient
ΔC_{he_i}	DCHEI	hinge moment coefficient increment for inboard elevon due to power/plume effect, power on- power off
ΔC_{he_o}	DCHEO	hinge moment coefficient increment for outboard elevon due to power/plume effect, power on- power off
$\Delta XC_p/l_{REF}$	DXWCP	incremental wing center of pressure as a fraction of body length
$\Delta YC_p/b_{REF}$	DYWCP	incremental wing center of pressure as a fraction of body span
ϕ_B	PHI	SRM base angle of roll, degrees
ϕ_O	PHI	Orbiter angle of roll, degrees
ϕ_S	PHI	SRB Mach rake angle of roll, degrees
ϕ_T	PHI	external tank angle of roll, degrees

NOMENCLATURE (Concluded)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
x_B	XB	SRM base longitudinal distance, in
x_0	X0	Orbiter longitudinal distance, in
y_0	Y0	Orbiter lateral distance, in
z_0	Z0	Orbiter vertical distance, in
x_S	XS	SRB Mach rake longitudinal distance, in
x_T	XT	external tank longitudinal distance, in
$R, \text{ in}$		radius of tap location, in
R/R_{OD}	R/ROD	radius of tap location divided by outer radius
δ_{BF}	BDFLAP	body flap deflection angle, degrees
δ_r	RUDDER	rudder deflection angle, degrees
δ_e	ELEVON	elevon deflection angle, degrees
δ_{SB}	SPDBRK	speed brake flare angle, degrees

REMARKS

To obtain data for data sets (comprised of three data runs), the wind tunnel freestream Mach number was set, and the model nozzle blowing system pressures were set and allowed to stabilize. Pressure and panel data were then recorded at each of the five α/β combinations.

No difficulty was encountered in bleeding off the added mass of model nozzle plume air from the tunnel circuit to maintain constant freestream conditions.

Good data confidence is assignable on the basis of model and instrumentation performance and running checks for anomalies made throughout the test program.

Hinge moment data are good, and wing normal force and bending moment data are in reasonable agreement with prior data. Wing root torsional moment data differ from expected values. However, this difference is primarily due to loads on the forward wing glove (a primary contribution to wing root torsional moment) which were not measured by the instrumentation on the model.

Zero returns on the wing gauges taken varied less than 0.4% and sensitivity shifts were negligible. The elevon zero returns were generally less than 0.3% with zero shift of less than 0.4%. These values are for full scale ranges which were nominally 1.05 times the maximum test loads for wing normal and bending, 3 times in torsion and 1.5 times the elevon hinge moments.

CONFIGURATIONS INVESTIGATED

The model was a blade strut mounted 0.010-scale replica of the Rockwell International first stage (Orbiter, external oxygen hydrogen tank and solid rocket boosters) Space Shuttle Vehicle. The model was used to simulate the second stage by the removal of the solid rocket boosters.

The model was fabricated entirely of Armco steel stock, with the exception of mechanical fasteners, seals, and electrical instrumentation by and under the direction of the B-1 Division of Rockwell International.

The basic Orbiter was in accord with Rockwell International drawing VL70-000140C lines with the substitution of the blunter VL70-08410 and VL70-08401 Orbital Maneuvering System (OMS) pods on the upper sidewalls and the elimination of the drag chute fairing from the vertical tail, reverting to the prior drawing, VL70-000146A. This combination has been designated - "140C modified" or VC70-000002.

The Orbiter is of blended wing body design with a double delta planform (81/45 Δ _{LE}) 12% thick wing and full span elevons with a six inch inter-panel gap between the independently deflectable inner and outer panels. A single centerline vertical tail with rudder and/or speedbrake capability is mounted between the two OMS pods, and a single body flap to aid in trim control during reentry from orbit is fitted on the lower trailing edge of the fuselage; the rudder/speedbrake and body flaps are not deflectable on this model. The Orbiter configuration simulated is shown in figure 2b.

The External Tank (ET) was in accord with Rockwell International

CONFIGURATIONS INVESTIGATED (Continued)

drawing VC78-000002 for general confirmation. The attach hardware was on drawing VL78-000062B and is the same as fitted to model 52T. The tank was of cylindrical cross-section and had a liquid oxygen vent valve housing with lightning rod at the front of the 612.0" radius tangent ogive nose. The outer surface simulated was what is referred to on later drawings as the outside skin line which is the surface without the TPS thickness (SOFI) added. Longerons hat section stiffeners between the oxygen and hydrogen portions of the ET were simulated.

The general arrangement of External Tank is shown in Figure 2c.

The Solid Rocket Boosters (SRB) were modelled to conform to Rockwell International drawing VC77-000002A with the exception that to maintain consistency with model 88-S, the nozzle external contours were reflective of the earlier VL77-000066 drawing with a nozzle gimbal point 86.8 inches from the exit plane.

The SRB's are of cylindrical form with a flared base shielding the nozzle and forward skirt with a conical nose. A data capsule on the forward skirt, the cable systems tunnel and aft skirt stiffening struts were simulated.

The general layout of an SRB is shown in Figure 2d.

The model was basically in accord with Rockwell International Shuttle Control drawing VC72-000002 with the exceptions noted, and may be properly referred to as Modified Vehicle 4 or proposed Vehicle 5.

The general layout of the first and second stage vehicles is shown

CONFIGURATION INVESTIGATED (Continued)

in Figures 2a and 2e.

The Ames Unitary Tunnel high pressure air supply was utilized for cold jet plume simulation of the jet plumes emanating from the Orbiter MPS and SRB nozzles. The Orbiter MPS and the SRB nozzles were on each of two independent air supply systems which allow for separate throttling of each nozzle system.

The blowing nozzles were test flowed in calibration programs at the Rocketdyne Rocket Nozzle Test Facility to determine that a satisfactory quiescent plume shape was produced, and to calibrate initial turning angle versus chamber pressure. These calibrations were performed with an appropriate simulated air supply system, MPS or SRB, to most accurately reproduce the quiescent plume shape that could be expected with the nozzle mounted on the model, and consequently most accurately predict the Newtonian plume to be obtained at tunnel freestream conditions.

The initial turning angle is defined in Figure 2j. Results of the nozzle calibrations are tabulated in Table IV.

The plume shapes for various Mach numbers were obtained by using one nozzle contour and setting specific values of P_{c0}/P_∞ or P_{ei}/P_∞ for each different Mach number. The nominal settings are presented in Tables IV and V for the Orbiter and SRB nozzles.

The theoretical flow rates for MPS and SRB nozzle can be obtained by the following equations:

CONFIGURATIONS INVESTIGATED (Continued)

Assume: $T_T = 560^\circ\text{R} (100^\circ\text{F})$

$$A_{T_{\text{MPS}}} = .04285 \text{ in}^2$$

$$A_{T_{\text{SRB}}} = .32715 \text{ in}^2$$

$$\dot{w}_{\text{MPS}} = .00098 P_{\text{co}} \text{ lb/sec per MPS nozzle}$$

$$\dot{w}_{\text{SRB}} = .0074 P_{\text{cs}} \text{ lb/sec per SRB nozzle}$$

The following nomenclature was used to designate Orbiter components

(O_1):

<u>Nomenclature</u>	<u>Orbiter Component</u>
B_{62}	Body
C_{12}	Canopy
E_{52}	Elevon
F_{10}	Body flap
M_{16}	OMS pod
R_5	Rudder
N_{87}	MPS nozzles
N_{89}	OMS nozzle
V_8	Vertical tail
W_{127}	Wing

The nomenclature for the external oxygen hydrogen tank (T_{28}) was:

<u>Nomenclature</u>	<u>Tank Component</u>
FR_{10}	Aft attach cross beam

CONFIGURATIONS INVESTIGATED (Continued)

<u>Nomenclature</u>	<u>Tank Component</u>
T ₂₈	External tank
AT ₂₈	Attach structure
AT ₃₁	Attach structure
AT ₃₂	Attach structure
PT ₁₂	ET protuberances
PT ₂₂	ET protuberances
PT ₂₃	ET protuberances
PT ₂₄	ET protuberances
PT ₂₅	ET protuberances
PT ₂₆	ET protuberances
PT ₂₇	ET protuberances
FL ₁₀	Feedline
FL ₁₁	Feedline

The nomenclature for the Solid Rocket Booster (S₂₂) was:

<u>Nomenclature</u>	<u>SRB Component</u>
S ₂₂	Solid rocket booster
N ₈₈	SRB nozzle
PS ₂₀	SRB protuberances
PS ₂₁	SRB protuberances
PS ₂₂	SRB protuberances
PS ₁₄	SRB protuberances
PS ₁₃	SRB protuberances

CONFIGURATIONS INVESTIGATED (Concluded)

PS₁₅

SRB protuberances

PS₁₆

SRB protuberances

The entire mated vehicle first stage was 0₁ T₂₈ S₂₂, and the second stage was 0₁ T₂₈.

Dimensional data are presented in Table III.

MODEL INSTRUMENTATION

Two three-pack scanivalves mounted at the base of the blade were used to accrue data from 82 surface pressure taps, distributed as follows:

<u>Location</u>	<u>Number of Taps</u>
Orbiter base	13
OMS pod base	4
Vertical	1
Body flap	5
Side of Orbiter	20
External tank	31
SRB bases	8

These pressure taps were hardlined to the connection at the scanivalve. The basic array of the pressure taps is shown in figures 2f through i.

The numbering scheme is 100 series taps on the Orbiter, 200 series on the External Tank and 300 series on the SRB's.

The right hand wing was made with the panel integral with a three component strain gauged beam to allow root bending moment, root torsion moment and panel normal force to be measured. The .015 inch gap to the Orbiter fuselage was not sealed.

The left hand wing panel was rigidly attached to the fuselage of the Orbiter, but was provided with plain bearing hinged deflectable elevon with the inner and outer panels supported in torsion by individual strain gauged beams to allow elevon hinge moments to be obtained. The elevon

MODEL INSTRUMENTATION (Concluded)

was made with a cylindrical section lower gap and a conical section upper gap with centerlines on the elevon hingeline so that the elevon gap will remain constant with deflection. No attempt was made to simulate the elevon flapper doors.

To provide similar model aeroelastic characteristics on both wings, the elevon arrangement on the right hand wing was identical to the left hand, but the beams were not gauged.

TEST FACILITY DESCRIPTION

The Ames Research Center Unitary Plan Wind Tunnel 8 x 7-foot supersonic test circuit is a closed-return, variable-density, air medium continuous flow facility with a 16 foot long test section and was used for IA82C. The throat has flexible sidewalls for control of tunnel Mach number. The tunnel is capable of attaining Mach numbers from 2.45 to 3.50 at Reynolds numbers from below $1.0 \times 10^6/\text{ft}$ to approximately $5.0 \times 10^6/\text{ft}$.

Models are supported in general from stings mounted to a body of revolution on a floor to ceiling strut system. Internal strain-gauge balances are used for force and moment data, and pressure instrumentation is provided.

Schlieren and shadowgraph equipment is available as well as additional force, moment, and stress monitoring instrumentation for specific models.

A high pressure cold air supply system for simulation of reaction motor exhaust plumes was installed, with operation from the control room. This system had a new series of redundant regulators fitted and the system updated in 1974. Flow capabilities run to greater than 100 lbm/second of unheated air at 3000 psig, fed from a huge vertical subterranean bottle field allowing large flows for protracted periods.

DATA REDUCTION

The blowing systems were monitored at two nominal stations, upstream of the nozzle (chamber pressure) and at the nozzle exits. The ratios of chamber pressure to freestream static were computed:

$$\frac{P_{co}}{P_{\infty}} = \frac{PCORB}{P_0} = MPSCPR$$

$$\frac{P_{cs}}{P_{\infty}} = \frac{PCSRM}{P_0} = SRBCPR$$

$$\frac{P_{ei}}{P_{\infty}} = \frac{PEi}{P_0} = RPEi$$

The plume air total temperatures, TTORB and TTSRM were also recorded.

Pressure coefficients were computed as follows:

$$\frac{P_i - P_{\infty}}{q} = C_{pi}$$

where:

P_i = individual measured pressure.

For the base pressures,

- i = 101 - 114 (omit 106)
- = 121 - 124
- = 131
- = 141 - 145
- = 201 - 231
- = 301 - 304
- = 311 - 314 (62 pressures)

DATA REDUCTION (Continued)

and for the vent location pressures,

$$i = 151 - 170 \text{ (20 pressures)}$$

The inboard elevon panel and outboard elevon panel hinge moment coefficients were computed:

$$CHEI = \frac{HEI}{S_e \bar{c}_e}$$

$$CHEO = \frac{HEO}{S_e \bar{c}_e}$$

Right hand wing computations were:

$$CNW = \frac{NW}{qS_w}$$

$$CBMW = \frac{BW}{qS_w b}$$

$$CTMW = \frac{TW}{qS_w \bar{c}}$$

The following reference dimensions were used:

<u>Symbol</u>	<u>Model Scale Value</u>	<u>Full Scale Value</u>
b	9.3668 in	936.68 in
\bar{c}_e	0.907 in	90.70 in
\bar{c}	4.748 in	474.80 in
S_e	0.0210 ft ²	210.00 ft ²
S_w	0.2690 ft ²	2690.00 ft ²
b_{REF}	12.903 in	1290.3 in
\bar{c}_{REF}	12.903 in	1290.3 in

Note: Coefficient equations on previous page do not use the plot

DATA REDUCTION (Concluded)

reference block LREF (l_{REF}) and BREF (b_{REF}) values.

All the IA82C source data is presented in the Appendix. However, only the wing panel loads and hinge moment plotted data figures are presented in this report (data sets RE5XXX).

The IA82B pressure data (Mach number range of 1.55 to 2.20) was combined with the pressure data from IA82C (Mach number range of 2.60 to 3.50) and plotted versus Mach number. These results are published in the IA82B report (DMS-DR-2231).

TABLE I.

TEST : IA82C	DATE : Nov. 1974		
TEST CONDITIONS			
MACH NUMBER	REYNOLDS NUMBER (per ft) x 10 ⁶	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
2.6	2.6	3.58	120° max
2.6	1.2	1.63	120° max
3.0	2.1	2.59	120° max
3.0	1.55	1.89	120° max
3.0	1.0	1.18	120° max
3.5	1.67	1.70	120° max
3.5	1.2	1.23	120° max
3.5	.78	0.77	120° max

BALANCE UTILIZED: _____

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	_____	_____	_____
SF	_____	_____	_____
AF	_____	_____	_____
PM	_____	_____	_____
RM	_____	_____	_____
YM	_____	_____	_____

COMMENTS:

TABLE II.

REVISED 2-6-75

TEST: ARC 87-044, IABZC										DATE: POST TEST									
DATA SET/RUN NUMBER COLLATION SUMMARY																			
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION			NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)					TEST RUN NUMBERS						
		α	β	SRE	MPS	δ_{EI}		δ_{ED}	MACH	PT	SRB	SSME	$\alpha = -4$	$\alpha = 0$	$\alpha = 4$				
01	01T28 Szz	A	C	-	-	0	0	3.0	14.7	-	-	1	2	3					
02				-	-			2.6		-	-	4	5	6					
03				N	N					627	1091	7	8	9					
04		B	C	<N	N					332	1091	10	11	12					
05				>N	N					1378	1091	13	14	15					
06				N	<N					627	685	16	17	18					
07				N	>N					627	1621	19	20	21					
08				>>N	N				6.7	1411	497	22	23	24					
09				>>N	N			3.0		1456	473	25	26	27					
10				-	>>>N					-	1820	28	29	30					
11				-	>>N					-	1147	31	32	33					
12				>N	N				10.7	1382	757	34	35	36					
13		C	N	N	N				15.1	868	1040	37	38	39					
14		B		-	N					-	1040	40	41	42					
15				-	>N					-	1520	43	44	45					
16				<N	N					388	1040	46	47	48					
17				N	<N					268	656	49	50	51					
18				N	>N					868	1520	52	53	54					
										73		55	61	67					
														7576					

SCHEDULES	COEFFICIENTS										IDVAR (1)	IDVAR (2)	NDV	
	α OR β	1	2	3	4	5	6	7	8	9				
A	-4, 0, 4													
B	0 @ $\alpha = \pm 4$; -4, 0, 4 @ $\alpha = 0$													

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TABLE II. - Continued

TEST:ARC87-044, IA82C

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: POST TEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)						TEST RUN NUMBERS			
		α	β	SRB	MIPS	δ_{EZ}	δ_{EO}		MACH	PT	SRB	SSME	$\alpha = -4$	$\alpha = 0$	$\alpha = 4$			
RES019	0, T ₂₈ S ₂₂	A	C	-	-	0	0		3.5	15.1	-	-	55	56	57			
20				N	N						1175	948	58	59	60			
21		B		-	>N						-	1521	61	62	63			
22				-	N						-	948	64	65	66			
23				<N	N						524	948	67	68	69			
24				N	<N						1175	607	70	71	72			
25				N	>N						1175	1521	73	74	75			
26				>N	N					10.7	1239	672	76	77	78			
27				-	>>N					6.7	-	837	79	80	81			
28				-	>>N						-	1246	82	83	84			
29				>>N	N						1012	427	85	86	87			
30				-	-	4			2.6	15.1	-	-	88	89	90			
31				N	N						642	1116	91	92	93			
32				-	-				3.0		-	-	94	95	96			
33				N	N						888	1064	97	98	99			
34				-	-				3.5		-	-	100	101	102			
35				N	N						1175	948	103	104	105			
36				-	-				2.6		-	-	106	107	108			

1	7	13	19	25	31	37	43	49	55	61	67	75 76
												NDV
												COEFFICIENTS
α OR β SCHEDULES												
$\alpha) A = -4, 0, 4$ $\beta) B = 0 @ X = \pm 4; -4, 0, 4 @ X = 0$												
$\beta) C = -4, -2, 0, 2, 4$ $\alpha) DVAR (1) = ALL$ $\alpha) DVAR (2) =$												

TABLE II. - Continued

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TABLE II. - Continued

[illegible]
$$* \text{Re} Z_{10} = \rho = -4, 0$$

TABLE II. - Concluded

TEST : ARC89-044, IA82C										DATE : POST TEST									
DATA SET / RUN NUMBER COLLATION SUMMARY																			
DATA SET IDENTIFIER		CONFIGURATION		SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)								
				α β		SRB	MPS	δ_{EZ}	δ_{EO}		MACH	PT	SRB	SSME	$K^2 = -4$	$K = 0$	$K = 4$		
RESO 72		OITZ8, #2 SSME OUT		A	B	-	N	0	0		3.5	15.1	-	948	214	215	216		
73		#1 SSME OUT				-	N						-	948	217	218	219		
74						-	-						-		220	221	222		
75						-	N						-	948	223	224	225		
76						-	<N						-	607	226	227	228		
77						-	>N					6.7	-	1321	229	230	231		
78						-	>>N						-	837	232	233	234		
79						-	>>>N						-	1248	235	236	237		
80						-	>>>>N						-	1820	238	239	240		

TABLE III
MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY - B₆₂

GENERAL DESCRIPTION : Configuration 140 C - orbiter fuselage, MCR
200-R₁. Similar to 140 A/B fuselage except aft body revised and
improved midbody-wing-boot fairing, $X_0 = 940$ to $X_0 = 1040$.

MODEL SCALE: 0.010

DRAWING NUMBER : VL70-000140C, -000202C, -000205A, -000200B, -000203A.

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (IML: Fwd Sta. $X_0=238$), In.	1290.3	12.903
Length (OML: Fwd Sta $X_0=235$), In.	1293.3	12.933
Max Width(@ $X_0 = 1528.3$), In.	264.0	2.640
Max Depth (@ $X_0 = 1464$), In.	250.0	2.500
Fineness Ratio	4.899	4.899
Area - Ft ²		
Max. Cross-Sectional	340.885	.03409
Planform		
Wetted		
Base		

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT : CANOPY - C₁₂

GENERAL DESCRIPTION : Configuration 140 C... orbiter canopy, vehicle
cabin No. 31 updated to MCR 200-R₁. Used with fuselage B₆₂.

MODEL SCALE: 0.010

DRAWING NUMBER : VL70-000140C, -000202B, -000204

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length ($X_0 = 434.643-578$), in.	<u>143.357</u>	<u>1.434</u>
Max Width (@ $X_0 = 513.127$), In.	<u>152.412</u>	<u>1.524</u>
Max Depth ($Z_0 = 501$ to 449.39), In.	<u>51.61</u>	<u>0.516</u>
Fineness Ratio	<u> </u>	<u> </u>
Area	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III (Cont'd)

MODEL COMPONENT: ELEVON - E₅₂

GENERAL DESCRIPTION: Elevon for configuration 140C. Hingeline at
X₀ = 1387, elevon split line X_w = 312.5. 6.0" gaps, beveled edges, and
centerbodies.

MODEL SCALE: 0.010DRAWING NUMBER: VL70-000140C, -006089, -006092, SS-A01260

<u>DIMENSIONS:</u> (Data for One Side)	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	<u>210.0</u>	<u>0.021</u>
Span (equivalent), In.	<u>349.2</u>	<u>3.492</u>
Inb'd equivalent chord, In.	<u>118.0</u>	<u>1.180</u>
Outb'd equivalent chord, In.	<u>55.19</u>	<u>0.552</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
At Outb'd equiv. chord	<u>0.4004</u>	<u>0.4004</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.0</u>	<u>0.0</u>
Tailing Edge	<u>- 10.056</u>	<u>-10.056</u>
Hingeline	<u>0.00</u>	<u>0.0</u>
(Product of Area & c)		
Area Moment (Normal to hingeline), Ft ³	<u>1587.25</u>	<u>0.0016</u>
Mean Aerodynamic Chord, In.	<u>90.7</u>	<u>0.907</u>
Hingeline dihedral (origin at Z ₀ = 261.3509), deg.	<u>5.229</u>	<u>5.229</u>

TABLE III (CONT'D)

MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY FLAP - F₁₀

GENERAL DESCRIPTION : Configuration 140C body flap. Hingeline

located at X₀ = 1532, Z₀ = 238.

MODEL SCALE: 0.010

DRAWING NUMBER VL70-000140C, VL70-355114

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (X ₀ =1525.5 to X ₀ =1613), In.	<u>87.50</u>	<u>0.875</u>
Max Width (@ L.E., X ₀ = 1525.5), In.	<u>256.00</u>	<u>2.560</u>
Max Depth (X ₀ = 1532), In.	<u>19.798</u>	<u>0.198</u>
Fineness Ratio	<u> </u>	<u> </u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional (@H.L.)	<u>35.196</u>	<u>.00352</u>
Planform	<u>135.00</u>	<u>.01350</u>
Wetted	<u> </u>	<u> </u>
Base (X ₀ = 1613)	<u>4.89</u>	<u>.0005</u>

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT : OMS POD - M₁₆

GENERAL DESCRIPTION : Configuration 140C Orbiter OMS pod - short pod.

MODEL SCALE: 0.010

DRAWING NUMBER: VI.70-008401, VI.70-008410

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta $X_0=1310.5$), In.	<u>258.50</u>	<u>2.585</u>
Max Width (@ $X_0 = 1511$), In.	<u>136.8</u>	<u>1.368</u>
Max Depth (@ $X_0 = 1511$), In.	<u>74.70</u>	<u>0.747</u>
Fineness Ratio	<u>2.484</u>	<u>2.484</u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u>58.864</u>	<u>0.00589</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

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TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: RUDDER - R₅

GENERAL DESCRIPTION: Configuration 140C orbiter rudder (identical to configuration 140A/B rudder).

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000146B, -000095

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	<u>100.15</u>	<u>0.01002</u>
Span (equivalent) , In.	<u>201.00</u>	<u>2.010</u>
Inb'd equivalent chord , In.	<u>91.585</u>	<u>0.916</u>
Outb'd equivalent chord , In.	<u>50.833</u>	<u>0.508</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Trailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Product of Area and \bar{c}), Ft ³	<u>610.92</u>	<u>0.000610</u>
Mean Aerodynamic Chord	<u>73.2</u>	<u>0.732</u>

TABLE III (CONT'D)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: MPS NOZZLES - N₈₇GENERAL DESCRIPTION: Flow-through MPS nozzles.MODEL SCALE: 0.010DRAWING NUMBER: SS-A01279

DIMENSIONS:

FULL SCALEMODEL SCALE

MACH NO. 2.6, 3.0, 3.5

Length - In.

Gimbal Point to Exit Plane
Throat to Exit Plane157.0
181.551.570
1.816

Diameter - In.

Exit
Throat
Inlet90.435
23.35020.9044
0.2335Area - ft²Exit
Throat44.607
2.9740.00446
0.000297

Gimbal Point (Station) - In.

Upper Nozzle

X₀
Y₀
Z₀1445.00
0.0
443.0014.450
0.0
4.430

Lower Nozzles

X₀
Y₀
Z₀1468.17
+ 53.0
- 342.6414.682
+ 0.530
- 3.426

Null Position - Deg.

Upper Nozzle

Pitch
Yaw16°
0°16°
0°

Lower Nozzle

Pitch
Yaw10°
0°10°
0°ORIGINAL PAGE IS
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TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: NOZZLES - N₈₉

GENERAL DESCRIPTION: OMS nozzle in stowed position which is outboard 8 deg and down 7deg from null position. Use with M₁₆.

MODEL SCALE = 0.010

DRAWING NO. SS-A01279

<u>DIMENSIONS</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Mach No. _____		
Length ~ in.		
Gimbal Point to Exit Plane	<u>56.0</u>	<u>0.560</u>
Throat to Exit Plane	_____	_____
Diameter ~ in.		
Exit (O.D.)	<u>50.0</u>	<u>0.50</u>
Throat	_____	_____
Inlet	_____	_____
Area ~ ft ² .		
Exit	_____	_____
Throat	_____	_____
Gimbal Point (station) ~ in.		
X ₀	<u>1518.00</u>	<u>15.180</u>
Y ₀	<u>88.00</u>	<u>0.880</u>
Z ₀	<u>492.0</u>	<u>4.920</u>
Null Position ~ deg.		
Pitch	<u>15°49'</u>	<u>15°49'</u>
Yaw	<u>6°30'</u>	<u>6°30'</u>

*REVISED 4/24/74

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: VERTICAL - V₈

GENERAL DESCRIPTION: Configuration 140C, orbiter vertical tail

(identical to configuration 140A/B vertical tail).

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000140C, -000146B

DIMENSIONS:

FULL SCALE

MODEL SCALE

TOTAL DATA

Area (Theo) - Ft²

Planform

413.253

0.0413

Span (Theo) - In.

315.720

3.157

Aspect Ratio

1.675

1.675

Rate of Taper

0.507

0.507

Taper Ratio

0.404

0.404

Sweep-Back Angles, Degrees.

Leading Edge

45.000

45.000

* Trailing Edge

26.2

26.2

0.25 Element Line

41.130

41.130

Chords:

Root (Theo) WP

268.500

2.685

Tip (Theo) WP

108.470

1.085

MAC

199.808

1.998

Fus. Sta. of .25 MAC

1463.50

14.635

W.P. of .25 MAC

635.522

6.355

B.L. of .25 MAC

0.000

0.000

Airfoil Section

Leading Wedge Angle - Deg.

10.000

10.000

Trailing Wedge Angle - Deg.

14.920

14.920

Leading Edge Radius

2.00

0.02

Void Area

13.17

0.00131

Blanketed Area

0.00

0.000

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: WING-W 127

GENERAL DESCRIPTION: Configuration 140C orbiter wing, MCR 200-B₁, similar to 140A/B wing W₁₁₆ but with refinements: improved wing-root-midbody fairing (X₀ = 940 to X₀ = 1040); elevon split line relocated from Y₀=281 to Y₀=312.5.

MODEL SCALE: 0.010

TEST NO.

DWG. NO. VL70-000140C, -000200B

DIMENSIONS:

FULL-SCALE

MODEL SCALE

TOTAL DATA

Area (Theo.) Ft²

Planform

Span (Theo) In.

Aspect Ratio

Rate of Taper

Taper Ratio

Dihedral Angle, degrees

Incidence Angle, degrees

Aerodynamic Twist, degrees

Sweep Back Angles, degrees

Leading Edge

Trailing Edge

0.25 Element Line

Chords:

Root (Theo) B.P.O.O.

Tip, (Theo) B.P.

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

EXPOSED DATA

Area (Theo) Ft²

Span, (Theo) In. BP108

Aspect Ratio

Taper Ratio

Chords

Root BP108

Tip 1.00 $\frac{b}{2}$

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

Airfoil Section (Rockwell Mod NASA)
XXXX-64

Root $\frac{b}{2}$ =

Tip $\frac{b}{2}$ =

Data for (1) of (2) Sides

Leading Edge Cuff

Planform Area Ft²

Leading Edge Intersects Fus M. L. @ Sta

Leading Edge Intersects Wing @ Sta

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TABLE III (CONT'D)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: FAIRING - FR₁₀

GENERAL DESCRIPTION: Umbilical door fairing between aft ET/orbiter
attach structure.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at	X _T	2052.0	20.520
Length		193.00	1.930
Width		15.00	0.150

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT : EXTERNAL TANK - T₂₀

GENERAL DESCRIPTION : Same as T₂₀ except larger.

MODEL SCALE: 0.010

DRAWING NUMBER : VL72-000143D, VL78-000063
(Dimensions are to tank structural OML, TPS not included)

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length , In.	<u>1844.275</u>	<u>18.443</u>
Max Width , Diameter, In.	<u>331.00</u>	<u>3.310</u>
Max Depth	<u> </u>	<u> </u>
Fineness Ratio	<u>5.687</u>	<u>5.687</u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u>597.58</u>	<u>0.0598</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III (CONT'D)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: ATTACH STRUCTURE - AT₂₈

GENERAL DESCRIPTION: Rear orbiter to ET attach structure (LH and RH)
(2 members).

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, VL78-000062B

DIMENSIONS:	MEMBER	FULL SCALE	MODEL SCALE
	#1	X _O <u>1317.00</u>	<u>13.170</u>
		Y _O <u>- 96.50 (LH)</u>	<u>- 0.965</u>
		<u>96.50 (RH)</u>	<u>0.965</u>
		Z _O <u>267.50</u>	<u>2.675</u>
		X _T <u>2058.00</u>	<u>20.580</u>
		Y _T <u>- 125.68 (LH)</u>	<u>- 1.257</u>
		<u>125.68 (RH)</u>	<u>1.257</u>
		Z _T <u>515.5</u>	<u>5.155</u>
	#2	X _O <u>1317.00</u>	<u>13.170</u>
		Y _O <u>- 96.50 (LH)</u>	<u>- 0.965</u>
		<u>96.50 (RH)</u>	<u>0.965</u>
		Z _O <u>267.50</u>	<u>2.675</u>
		X _T <u>1872.00</u>	<u>18.720</u>
		Y _T <u>- 125.68 (LH)</u>	<u>- 1.257</u>
		<u>125.68 (RH)</u>	<u>1.257</u>
		Z _T <u>504.5</u>	<u>5.045</u>
Diameter, In.	#1	<u>11.5</u>	<u>0.115</u>
	#2	<u>15.5</u>	<u>0.155</u>

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: ATTACH STRUCTURE - AT₃₁

GENERAL DESCRIPTION: Rear ET to SRB attach structure (LH and RH), 3 members

MODEL SCALE: 0.010

MODEL DRAWING: _____

DRAWING NO.: VL78-000063, -000062B, -000066

DIMENSIONS:	MEMBER		FULL SCALE	MODEL SCALE
	#1	X _T	<u>2058.00</u>	<u>20.580</u>
		Y _T	<u>- 171.50 (LH)</u>	<u>-1.715</u>
			<u>171.50 (RH)</u>	<u>1.715</u>
		Z _T	<u>457.00</u>	<u>4.570</u>
		X _S	<u>1511.00</u>	<u>15.110</u>
		Y _S	<u>53.24</u>	<u>0.5324</u>
		Z _S	<u>57.00</u>	<u>0.570</u>
	#2	X _T	<u>2058.00</u>	<u>20.580</u>
		Y _T	<u>- 163.85</u>	<u>- 1.639</u>
		Z _T	<u>449.81</u>	<u>4.498</u>
		X _S	<u>1511.00</u>	<u>15.110</u>
		Y _S	<u>76.56</u>	<u>0.766</u>
		Z _S	<u>15.73</u>	<u>0.157</u>
	#3	X _T	<u>2058.00</u>	<u>20.580</u>
		Y _T	<u>- 161.72</u>	<u>- 1.617</u>
		Z _T	<u>343.00</u>	<u>3.430</u>
		X _S	<u>1511.00</u>	<u>15.110</u>
		Y _S	<u>53.24</u>	<u>0.532</u>
		Z _S	<u>- 57.00</u>	<u>- 0.570</u>

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: ATTACH STRUCTURE - AT₃₂

GENERAL DESCRIPTION: Forward orbiter/ET attach structure (2 member structure)

MODEL SCALE: 0.010

MODEL DRAWING NO.: _____

DRAWING NO.: VL78-000052B, Martin Marietta 8260020914

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Member #1:	X _O	<u>388.15</u>	<u>3.882</u>
	Y _O	<u>0.0</u>	<u>0.0</u>
	Z _O	<u>LWR LML</u>	<u>LWR LML</u>
	X _T	<u>1129.9</u>	<u>11.299</u>
	Y _T	<u>46.50</u>	<u>4.650</u>
	Z _T	<u>562.58</u>	<u>5.626</u>
Member #2:	X _T	<u>388.15</u>	<u>3.882</u>
	Y _T	<u>0</u>	<u>0</u>
	Z _T	<u>LWR LML</u>	<u>LWR LML</u>
	X _O	<u>1129.9</u>	<u>11.299</u>
	Y _O	<u>- 46.50</u>	<u>- 0.465</u>
	Z _O	<u>562.58</u>	<u>5.626</u>
Attach structure dia., in.		<u>6.0</u>	<u>0.060</u>

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: ET PROTUBERANCE - PT₁₂

GENERAL DESCRIPTION: Lightning rod attached to ET nose.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000068B

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length - In.	30.90	0.309
Diameter - In.	3.20	0.032

TABLE III (CONT'D)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: ELECTRICAL LINE - PT₂₂

GENERAL DESCRIPTION: Left-hand electrical conduit line on T₂₈.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, VL78-000062B

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1084.333	10.843
	Y _T	- 99.591	- 0.996
	Z _T	- 139.620	- 1.396
Trailing edge at:	X _T	2058.00	20.580
	Y _T	- 99.591	- 0.996
	Z _T	- 139.620	- 1.396
Conduit size:		2.0 x 6.0	0.02 x 0.06
Centerline of line located radially at $\phi = 35.5^\circ$			

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: LO₂ RECIRCULATION LINE - PT₂₃

GENERAL DESCRIPTION: LO₂ recirculation line on right-hand upper side
of T₂₈.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, VL78-000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1040.667	10.407
	Y _T	94.169	0.942
	Z _T	540.934	5.409
Trailing edge at:	X _T	2062.920	20.629
	Y _T	70.000	0.700
	Z _T	573.934	5.739
Diameter of line		4.0	0.040

Centerline of lines located radially at $\phi = 33^{\circ}45'$

(Right of TDC looking forward).

TABLE III (CONT'D)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: LH₂ RECIRCULATION LINE - PT₂₄

GENERAL DESCRIPTION: LH₂ recirculation line on T₂₈.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, VL78-000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1040.667	10.407
	Y _T	- 94.169	- 0.942
	Z _T	540.934	5.409
Trailing edge at:	X _T	2062.920	20.629
	Y _T	- 70.00	- 0.700
	Z _T	573.934	5.739
Diameter of line		4.00	0.040
Centerline of line located radially at $\phi = 33^{\circ}45'$			
(Left of TDL looking forward)			

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: ELECTRICAL LINE - PT₂₅

GENERAL DESCRIPTION: Right-hand aft electrical conduit line on T₂₈
 with LH₂ pressure sensor line and LO₂ vent valve actuator line.

MODEL SCALE: 0.010

DRAWINGS NO.: VL78-000063, VL78-000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1084.333	10.843
	Y _T	99.591	0.996
	Z _T	139.620	1.396
Trailing edge at:	X _T	2058.00	20.580
	Y _T	99.591	0.996
	Z _T	139.620	1.396
Conduit size		2.0 x 6.0	0.020 x 0.06
Centerline of line located radially at $\phi = 35.5^\circ$			

TABLE III (CONT'D)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: LO₂ PRESSURE LINE - PT₂₆

GENERAL DESCRIPTION: LO₂ pressure line on the T₂₈.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, VL78-000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	360.733	3.607
	Y _T	15.145	0.151
	Z _T	407.718	4.077
Trailing edge at:	X _T	2083.5	20.835
	Y _T	63.25	0.633
	Z _T	609.00	6.090
Centerline of line located radially at $\phi = 27^\circ$			
Line diameter		2.0	0.020

TABLE III (CONT'D)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: ELECTRICAL LINE - PT₂₇

GENERAL DESCRIPTION: Electrical conduit on the right-hand forward section of T₂₈.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000062B

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	360.733	3.607
	Y _T	11.549	0.115
	Z _T	412.474	4.125
Trailing edge at:	X _T	876.273	8.763
	Y _T	226.114	2.261
	Z _T	646.774	6.468

Centerline of conduit located radially at $\phi = 47.5^\circ$

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: FEEDLINE - FL₁₀

GENERAL DESCRIPTION: LH₂ feedline on upper left-hand side of T₂₈.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, VL78-000062B

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	2071.5	20.715
	Y _T	- 70.0	- 0.700
	Z _T	573.934	5.739
Trailing edge at:	X _T	2081.8	20.818
	Y _T	- 70.0	-0.700
	Z _T	584.059	5.841
Diameter of line (17.0 I.D.)		18.160	0.182

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: FEEDLINE: - FL₁₁

GENERAL DESCRIPTION: LO₂ feedline on upper right-hand of T₂₈.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, VL78-000062B

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1000.667	10.007
	Y _T	70.00	0.700
	Z _T	150.519	1.505
Trailing edge at:	X _T	2071.5	20.715
	Y _T	70.00	0.700
	Z _T	573.934	5.739
Diameter of line (17.0 I.D.)		18.16 O.D.	0.182

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT : BOOSTER SOLID ROCKET MOTOR - S₂₂

GENERAL DESCRIPTION : The BSRM is an external propulsion system
which is jettisoned and recoverable after burnout. The BSRM's can be
refurbished and reused after recovery.

MODEL SCALE: 0.010

DRAWING NUMBER : VC77-000002, VC70-000002

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length, In.	<u>1789.60</u>	<u>17.896</u>
Max Width , Tank Dia., In.	<u>146.00</u>	<u>1.460</u>
Max Depth, Aft shroud dia., In.	<u>208.20</u>	<u>2.082</u>
Fineness Ratio	<u>8.596</u>	<u>8.596</u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u>236.423</u>	<u>0.0236</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>
WP of BSRM centerline (Z _T)	400.00	4.00
FS of BSRM nose (X _T)	743.0	7.430
BP of BSRM centerline (Y _T)	250.5	2.505

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: ^{SRB} NOZZLES - N88

GENERAL DESCRIPTION: Flow-through SRB nozzle simulator $\epsilon = 7.0$ prototype.

MODEL SCALE = 0.010

DRAWING NO. SS-A01281

MACH NO.: 2.6, 3.0, 3.5

DIMENSIONS

FULL SCALE

MODEL SCALE

Mach No: 2.6, 3.0, 3.5

Length ~ in.

Gimbal Point to Exit Plane

86.8

0.868

Throat to Exit Plane

112.135

1.121

Diameter ~ in.

Exit

144.290

1.443

Throat

64.53

0.645

Inlet

Area ~ ft².

Exit

356.738

0.03567

Throat

22.712

0.00227

Gimbal Point (station) ~ in.

X_B

1902.6

19.026

Y_B

+ 250.5

+ 2.505

Z_B

Null Position ~ deg.

Pitch

0

0

Yaw

0

0

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT : SRB PROTUBERANCES - PS₂₀

GENERAL DESCRIPTION : Electrical tunnel on SRB side, 30 deg taper
leading edge, circular cross-section with mounting flange. Tunnel
discontinued from X_B = 1504.25 to 1517.75.

MODEL SCALE: 0.010

MODEL DRAWING: SS-A01281

DRAWING NUMBER: VC77-000002A

DIMENSIONS :

	FULL SCALE	MODEL SCALE
Length , In.	<u>1384.57</u>	<u>13.846</u>
Max Width	<u>13.00</u>	<u>0.130</u>
Max Depth	<u>3.72</u>	<u>0.037</u>
Radius	<u>6.19</u>	<u>0.0619</u>
Area	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>
Taper at leading edge	<u>30 deg.</u>	<u>30 deg.</u>

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: CIRCUMFERENTIAL STIFFENER - PS₂₁

GENERAL DESCRIPTION: Four-ring stiffeners located at aft end of the solid rocket boosters. The stiffener is a curved I-beam.

MODEL SCALE: 0.010

DRAWING NO.: VC77-000002

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Height	4.7	0.047
Length, In.	4.0	0.040
Locations:	1602.0	
	1694.4	
	1729.0	
	1771.4	

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: SRB PROTUBERANCE - PS₂₂

GENERAL DESCRIPTION: Tie-down fixture on aft skirt. Total of four mounted @ 30 deg to the vertical SRM centerline.

MODEL SCALE: 0.010

DRAWING NO.: VC77-000002

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge @ $X_B =$	1855.2	18.552
Trailing edge @ $X_B =$	1925.2	19.252
Width, maximum , In.	14.5	0.145
Height, maximum	9.0	0.090
Plan taper	12°	12°
OAC	70.0	0.700

Tapers from zero height at 1855.2 to 9" @ 1925.2

TABLE III (CONT'D)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: SOLID ROCKET BOOSTER - EXTERNAL TANK ATTACH - PS₁₄

GENERAL DESCRIPTION: Two ring stiffeners located at aft end of solid rocket boosters. The stiffener is curved L-beam.

MODEL SCALE: 0.010

DRAWING NO.: VC77-000002

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Height, In.	8.00	0.0800
Length, In.	3.00	0.0300
Location	$X_B = 1511.00$	

TABLE III (CONT'D)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: CIRCUMFERENTIAL STIFFENER - PS₁₃

GENERAL DESCRIPTION: Ring stiffener located at the point where the skirt flares. The stiffener is I-beam.

MODEL SCALE: 0.010

DRAWING NO.: VC77-000002

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Height, In.	6.50	0.065
Length, In.	4.00	0.040
Location:	$x_B = 1833.70$	

TABLE III (CONT'D)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: Data capsule and CAMERA - PS₁₅

GENERAL DESCRIPTION: Cylinder located on forward skirt of SRB
containing camera and data storage equipment, mounted longitudinally.

MODEL SCALE: 0.010

DRAWING NO.: VC77-000002

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length, In. at $X_B = 403.38$	36.00	0.360
Diameter, In.	9.00	0.090

TABLE III. (Concluded)

MODEL DIMENSIONAL DATA

MODEL COMPONENT: FORWARD ATTACH - PS₁₆

GENERAL DESCRIPTION: On SRB, forward SRB-ET attach

MODEL SCALE: 0.010

DRAWING NO.: VC77-000002

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Height, In.	9.50	0.0950
Inner:		
Length, In, @ $X_B = 442.70$	44.28	0.443
Width, In.	16.00	0.160
Outer:		
Length, In. @ $X_B = 442.70$	23.85	0.239
Width, In.	11.00	0.110

TABLE IV. MPS BLOWING SYSTEM SET PRESSURES

MACH M_{∞}	P_T	CHAMBER PRESSURE		
		$\theta_i = N+3$	$\theta_i = N$	$\theta_i = N-3$
1.55	14.7 ↓	1341	1006	745
2.0		1616	930	648
2.2		1705	1018	605
2.6		1621	1091	685
3.0		1520	1046	656
3.5		1486	926	598
1.55	10.7 ↓	976	732	542
2.0		1177	677	472
2.2		1241	741	440
2.6		1179	793	499
3.0		1106	757	477
3.5		1078	672	434
1.55	6.7 ↓	611	458	339
2.0		736	424	295
2.2		778	464	276
2.6		739	497	313
3.0		692	473	299
3.5		685	427	276

$\theta_i = N+3$ INDICATES 3° OVER PROTOTYPE
PLUME TURNING ANGLE

$= ">N"$

$\theta_i = N-3 = "<N"$

TABLE V. - SRB BLOWING SYSTEM SET PRESSURES

MACH M_∞	P_T	CHAMBER PRESSURE			
		$\theta_i = N+10$	$\theta_i = N+5$	$\theta_i = N$	$\theta_i = N-5$
1.55	14.7 ↓	1266	804	547	372
2.0		1597	846	560	357
2.2		1925	921	514	344
2.6		3095	1378	627	332
3.0		3200	1900	868	388
3.5		—	1708	1148	512
1.55	10.7 ↓	921	585	398	271
2.0		1163	616	408	260
2.2		1401	671	374	250
2.6		2251	1002	456	241
3.0		2328	1382	632	282
3.5		—	1239	833	371
1.55	6.7 ↓	577	367	250	170
2.0		728	385	255	163
2.2		878	420	235	157
2.6		1411	628	286	151
3.0		1456	865	395	177
3.5		—	779	524	233

$$\begin{aligned}
 \theta_i &= N+10 = "77N" \\
 &= N+5 = "7N" \\
 &= N \\
 &= N-5 = "<N"
 \end{aligned}$$

TABLE VI.- BASE AND BODY FLAP PRESSURE TAP LOCATION

	TAP NUMBER	Y_0	Z_0	X_0
ORBITER BASE	101	0	324.7	
	102	- 53.0	309.4	
	103	53.0	309.4	
	104	-110.0	324.7	
	105	110.0	324.7	
	106	DELETED		
	107	-103.0	383.3	
	108	103.0	383.3	
	109	0	396.1	
	110	- 25.0	401.9	
	111	25.0	401.9	
	112	- 80.0	433.6	
	113	80.0	433.6	
	114	0	494.2	
OMS	121	-60.0	505	1565.0 ↓
	122	60.0	505	
	123	-120.0	460	
	124	120.0	460	
VERTICAL	131	0	534.0	
BODY FLAP	141	-75°		
	142	0		
	143	75°		
	144	-75°		
	145	75°		
	146	0		

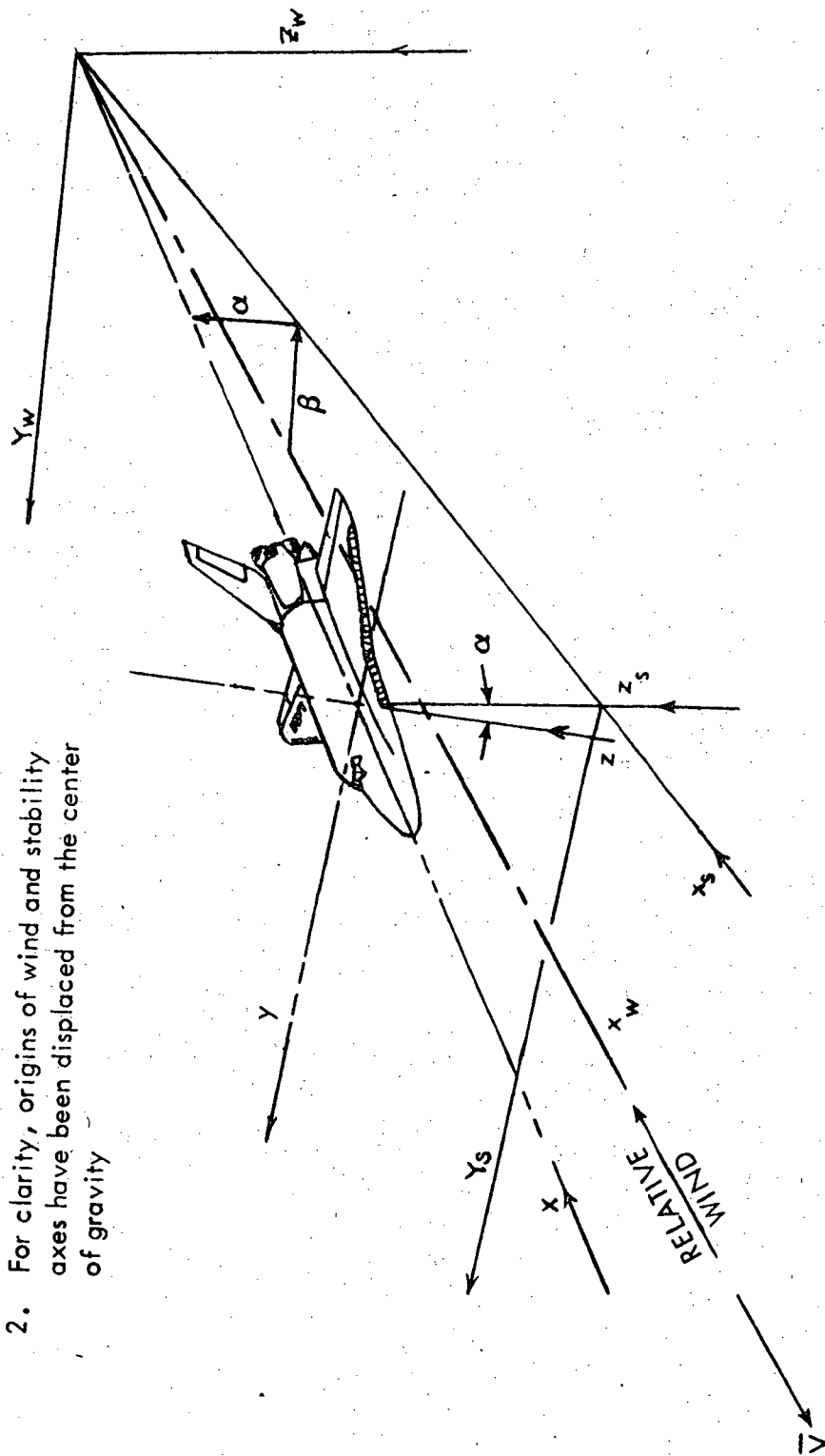
TABLE VII.
IA82C COEFFICIENT SCHEDULE

Dataset Type	Dataset Sequence	1st ID	2nd ID	Coefficients									
				1	2	3	4	5	6	7	8	9	10
RE5XXX	01 - 80	ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO				
AE5XXX	01 - 80	ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
BE5XXX	01 - 80	ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
CE5XXX	01 - 80	ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
DE5XXX	01 - 80	ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131		
EE5XXX	01 - 80	ALPHA	BETA	CP141	CP142	CP143	CP144	CP145					
RE5HXX	01 - 80	ALPHA	BETA	CP201 - CP231 as a function of radius and PHI values									
IE5XXX	01 - 80	ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)

Note: ID = independent variable

Notes:

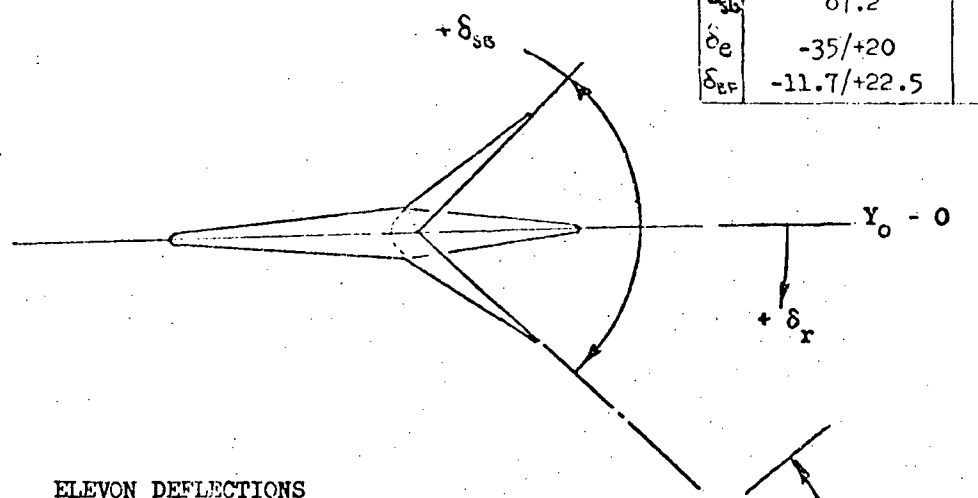
1. Positive directions of angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



a. General
Figure 1. - Axis Systems.

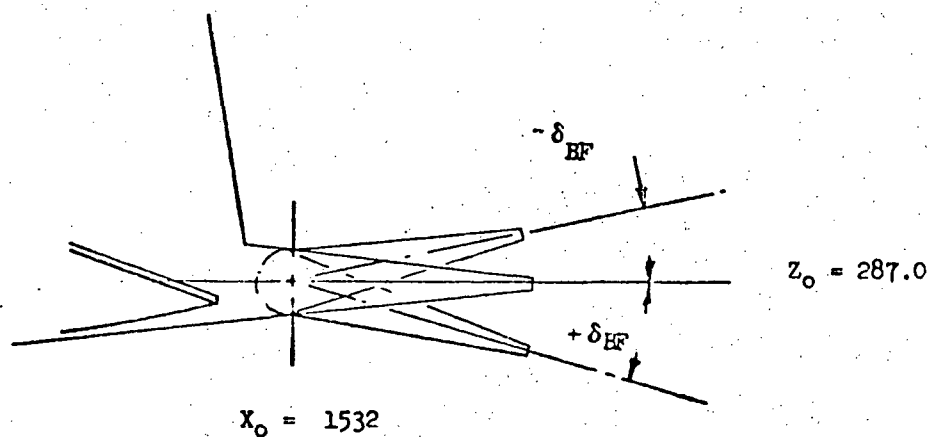
RUDDER AND SPEED BRAKE DEFLECTIONS
(PARALLEL TO THE FRL)

Maximum Deflections		
Vehicle	Test IA82-C	
δ_r	22.8	0
δ_{sb}	87.2	0
δ_e	-35/+20	-6/+10
δ_{EF}	-11.7/+22.5	0



PARALLEL TO THE FRL

BODY FLAP DEFLECTIONS

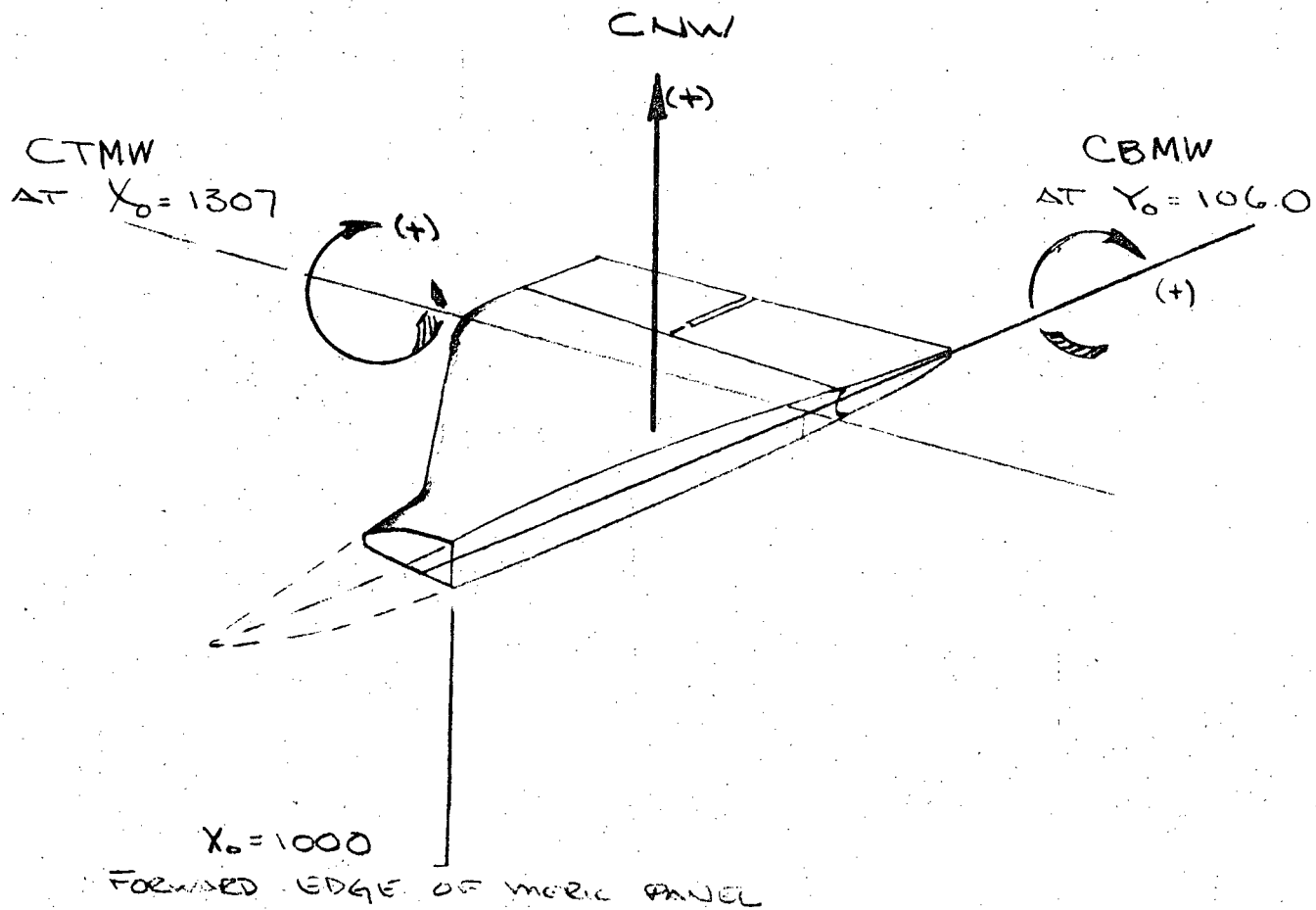


b. Control Surface deflections

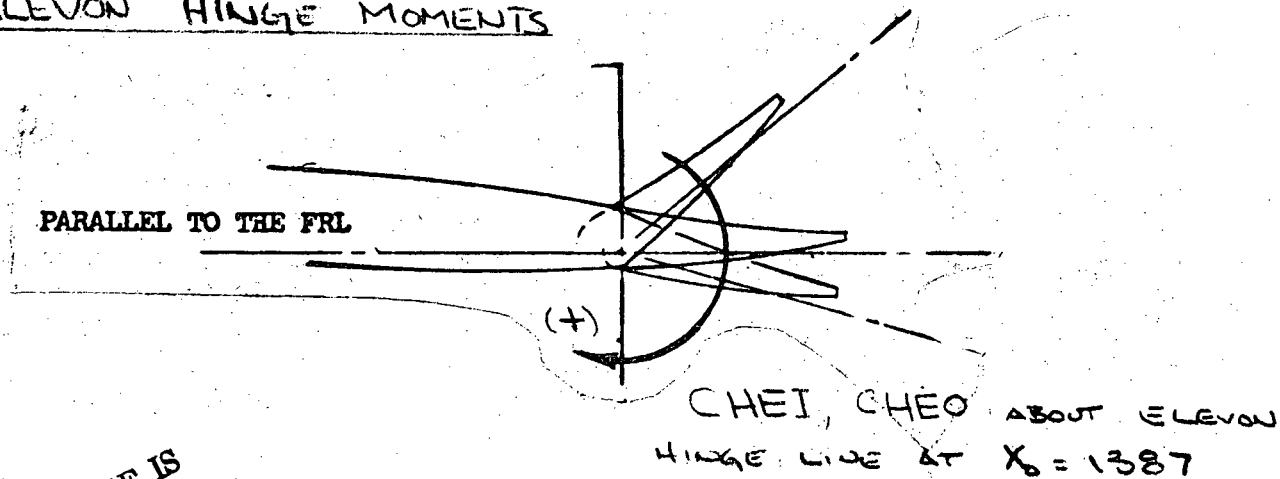
Figure 1. - Continued.

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WING PANEL LOADS



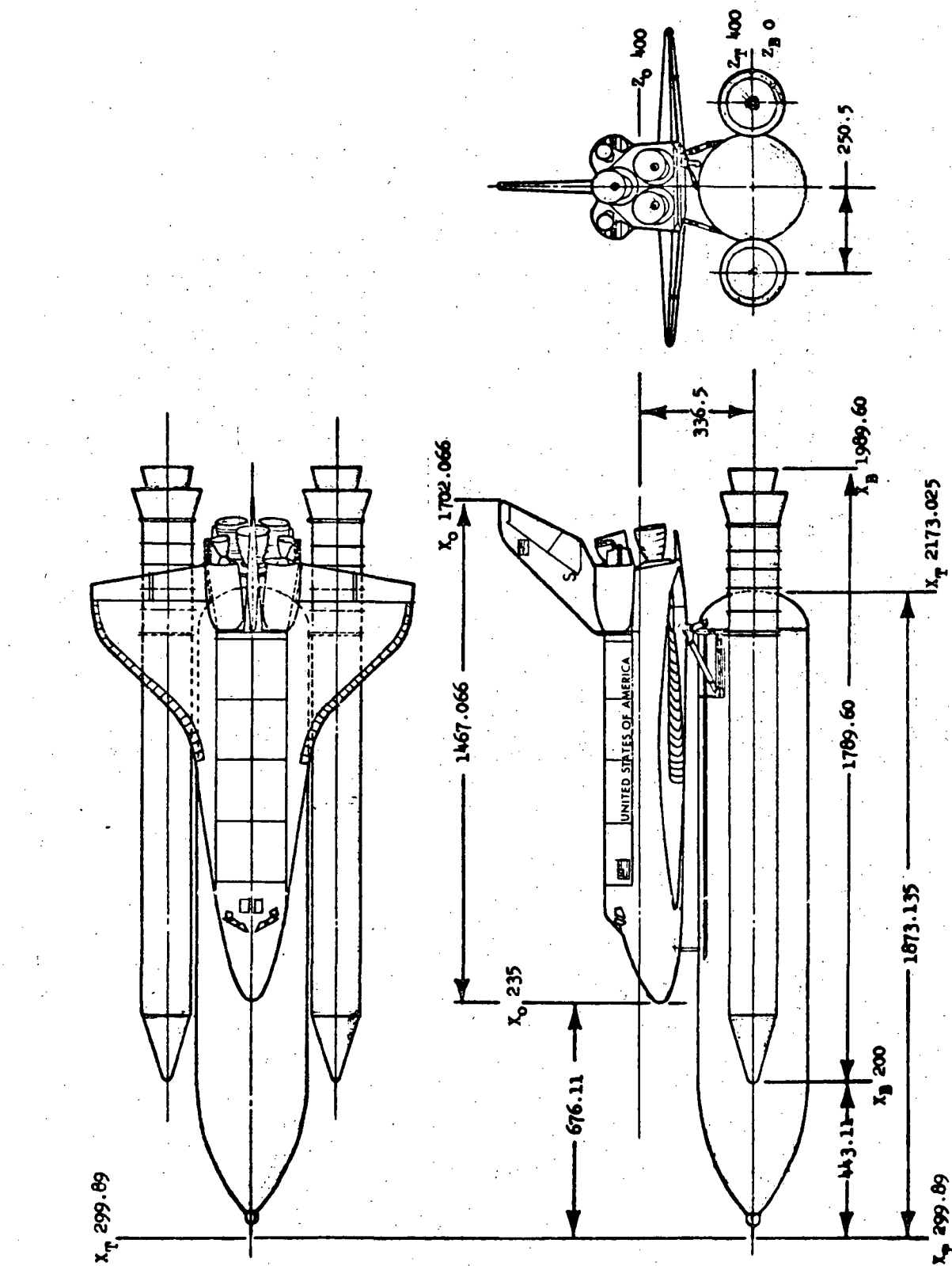
ELEVON HINGE MOMENTS



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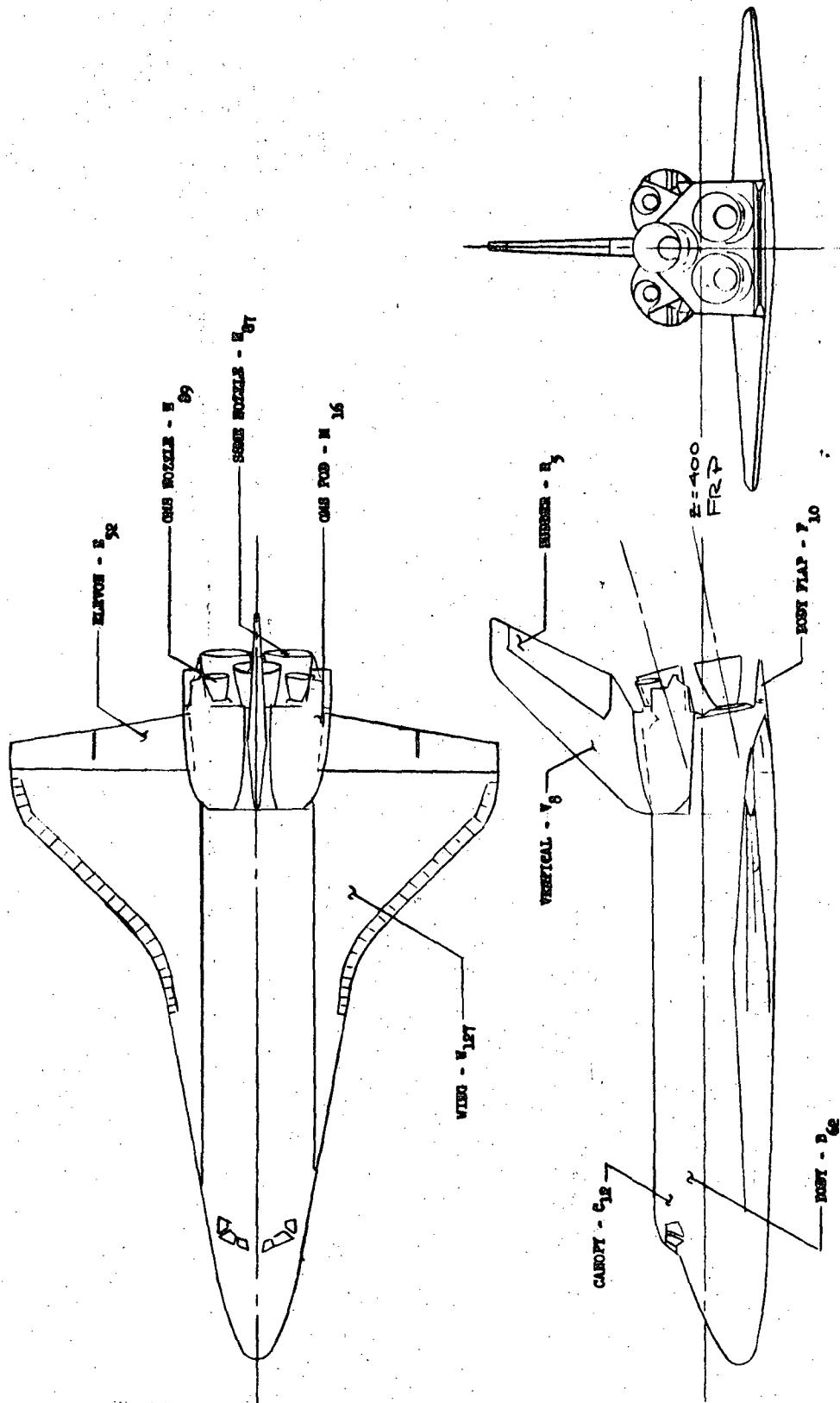
c. Panel Loads and Hinge Moments

Figure 1. - Concluded.



a. Integrated Space Shuttle Vehicle Launch Configuration

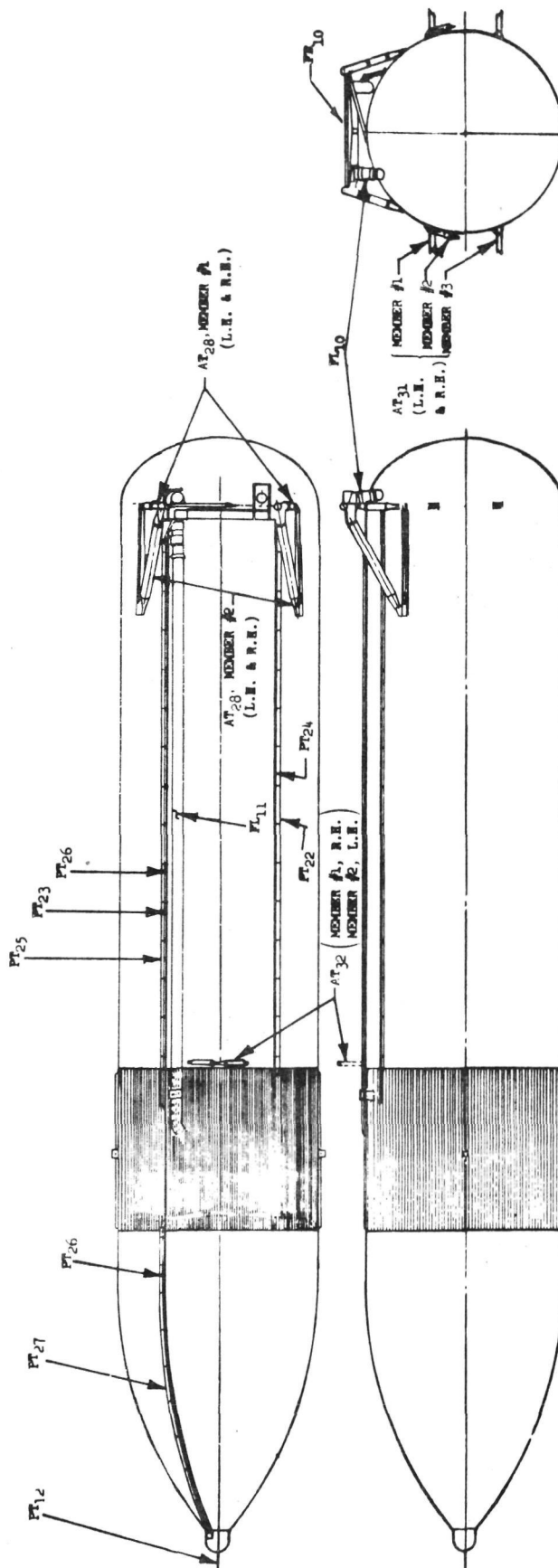
Figure 2. - Model Sketches.



b. Orbiter (O₁) Components

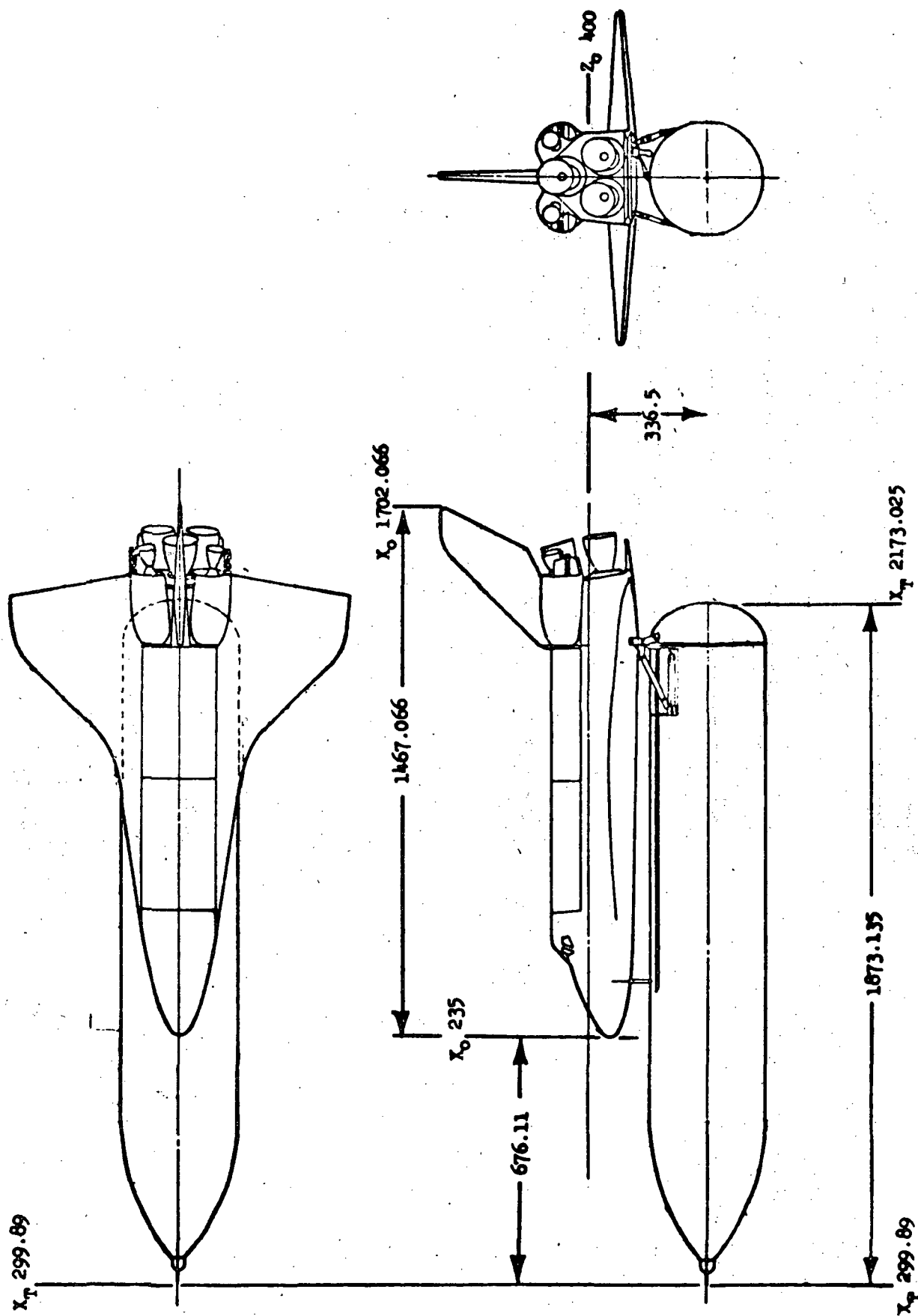
Figure 2. - Continued.

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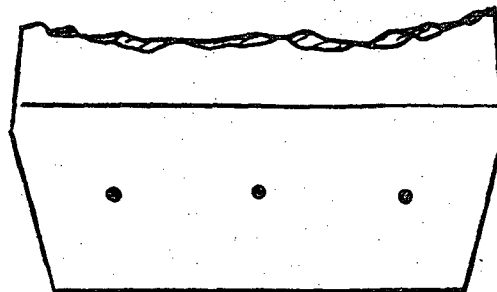
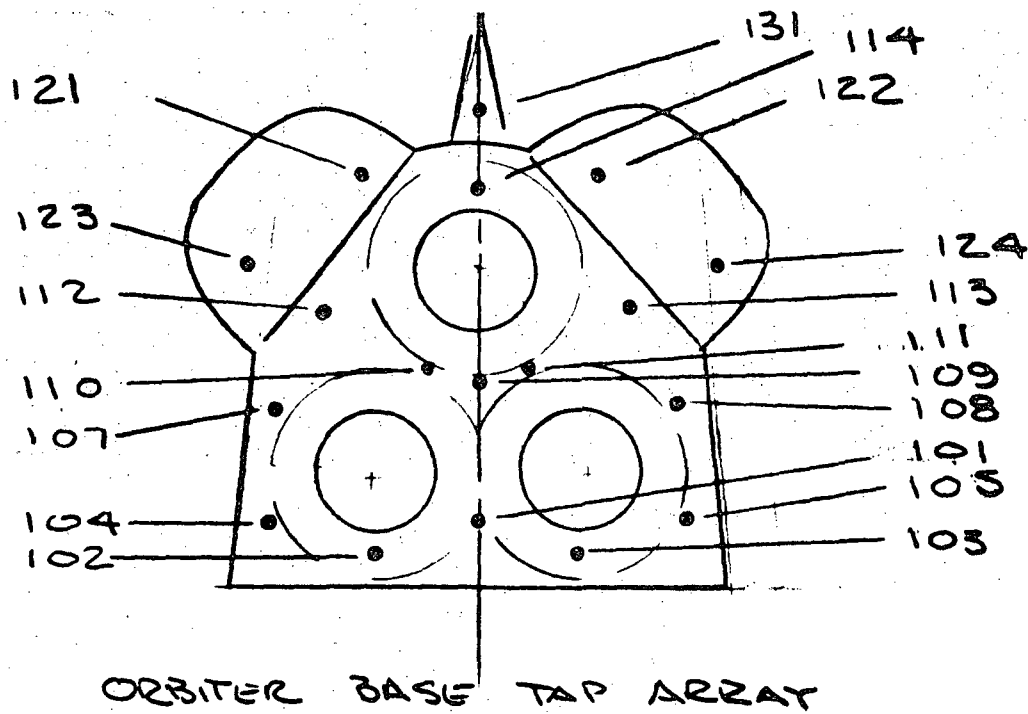
c. External Tank (T₂₈) Protrusions

Figure 2. - Continued.



e. Integrated Space Shuttle Vehicle, Second Stage

Figure 2. - Continued.



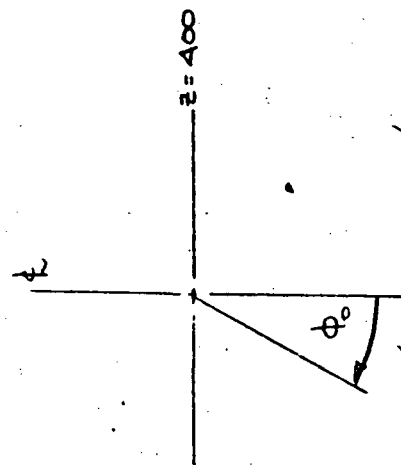
TOP	144	146	145
BOTTOM	141	142	143

BODY FLAP PRESSURE TAPS

f. Orbiter Base and Body Flap Pressure Tap Array
Figure 2. - Continued.

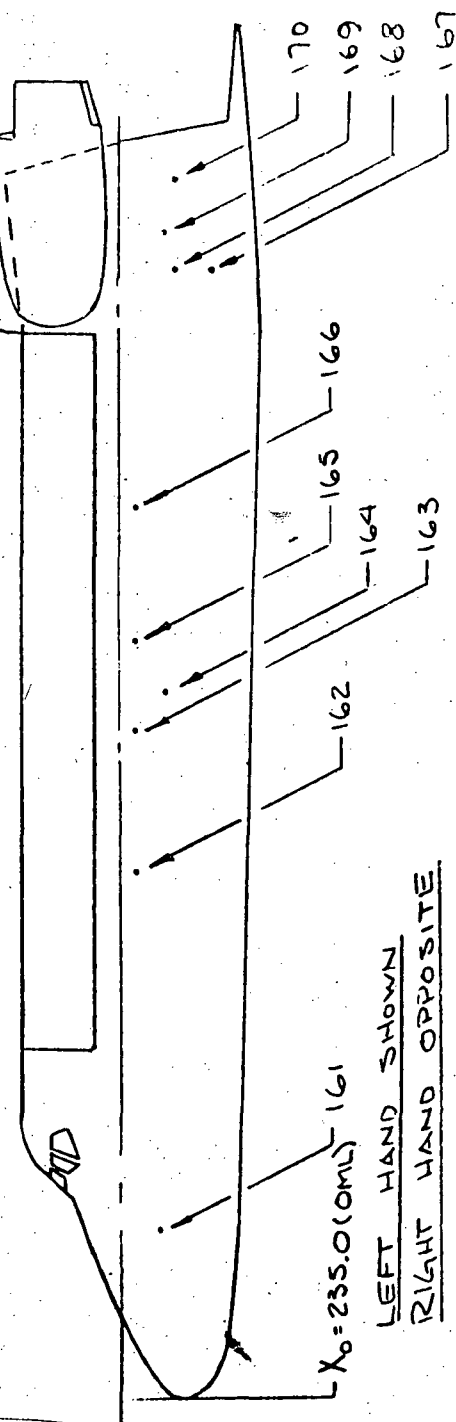
X/L MEASURED FROM 238.0
L = 1290.3 IN FULL SCALE

DEFINITION OF ϕ_0
LOOKING FWD:



TAP. No's	X ₀		Y ₀	Z ₀	X/L	ϕ_0
	RH	LH				
151		161	593.63	78.28	0.127	61.8
152		162	764.25	105.00	0.410	82.0
153		163	905.00	105.00	0.520	82.0
154		164	932.12	105.00	0.540	61.7
155		165	994.62	105.00	0.586	82.0
156		166	1128.08	105.00	0.690	82.0
157		167	1373.75	112.09	0.880	51.6
158		168	1573.75	111.36	0.880	63.3
159		169	1390.25	112.74	0.893	69.3
160		170	1421.00	116.74	0.920	64.3

(See table VI for tap locations)

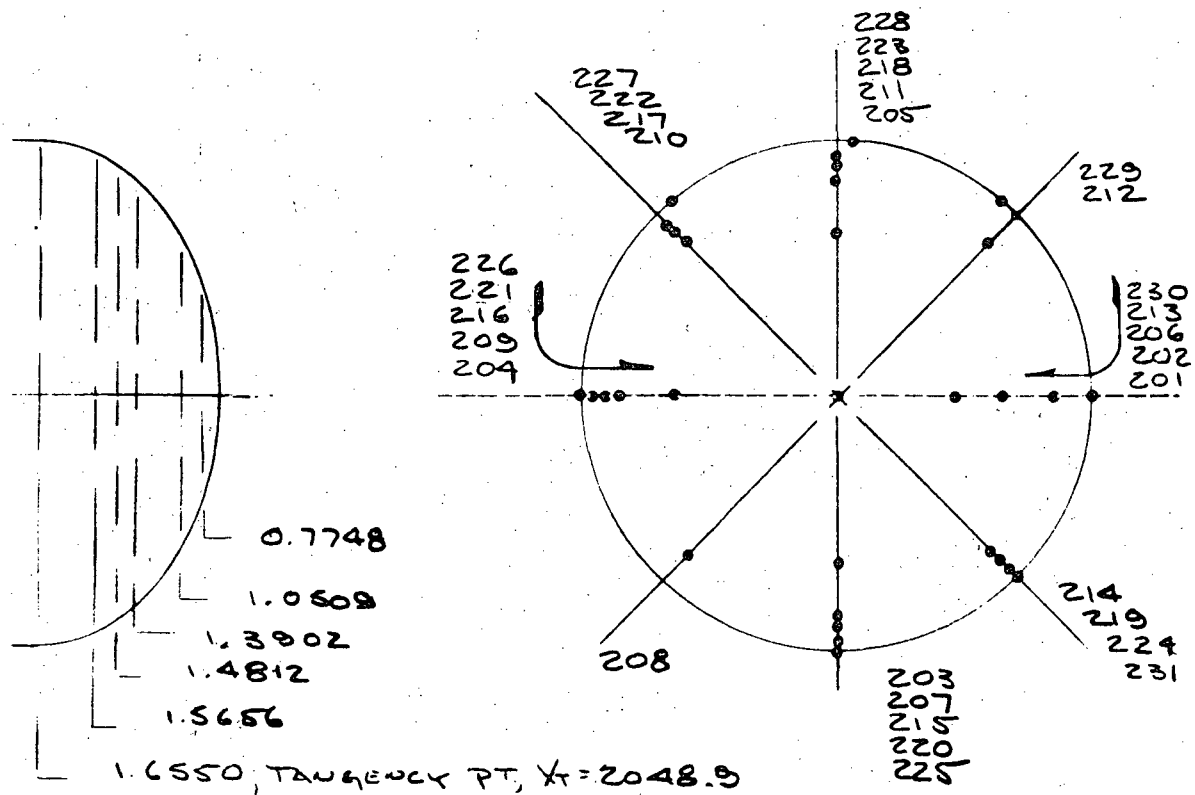


g. Orbiter Vent Pressure Tap Array

Figure 2. - Continued.

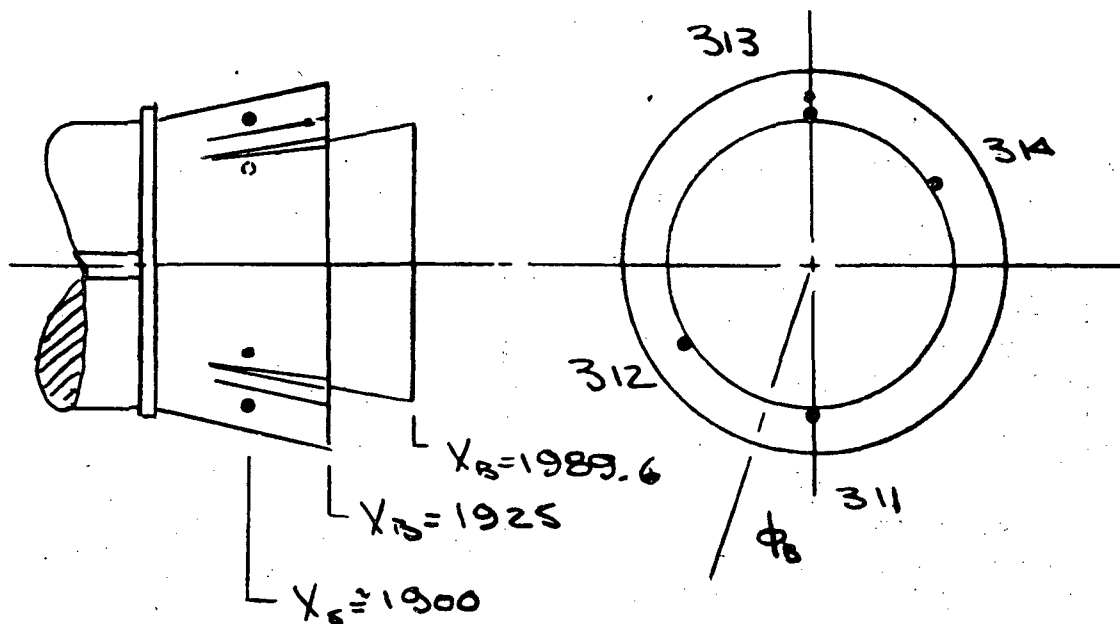
TAP NUMBER	R, in	ϕ
201	0	—
202	0.7448	270
203	1.0509	0
204		90
205		180
206		270
207	1.3902	0
208		45
209		90
210		135
211		180
212		225
213		270
214		315
215	1.4812	0
216		90

TAP NUMBER	R, in	ϕ
217	1.4812	135
218		180
219		315
220	1.5656	0
221		90
222		135
223		180
224		315
225	1.6550	0
226		90
227		141
228		186
229		219
230		270
231		315



h. ET Base Pressure Tap Array

Figure 2. - Continued.



LEFT HAND SHOWN

TAPS ARE FREE STANDING INSIDE SKIRT

TAP NO'S		X_B		R.H.	L.H.
R.H.	L.H.			ϕ_B	ϕ_B
301	311	1900		0°	0°
302	312			120	60
303	313			180	180
304	314			300	240

i. SRM Base Pressure Tap Array

Figure 2. - Continued.

INITIAL TURNING ANGLE

θ_i

PLUME BOUNDARY

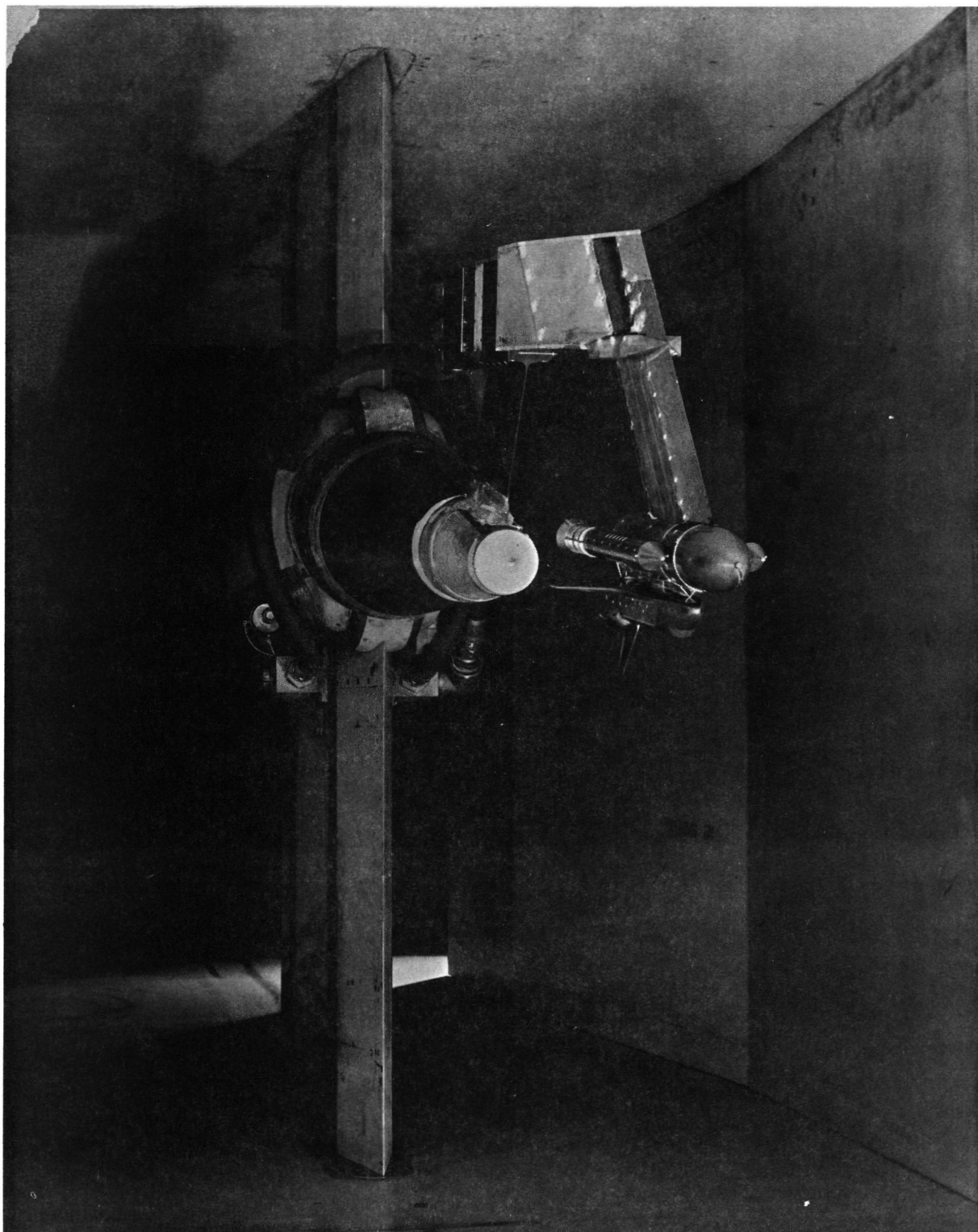
NOZZLE

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θ_i is the PLUME EXIT ANGLE MEASURED RELATIVE TO THE NOZZLE CENTERLINE. NOMINAL IS INDICATIVE OF THE PROTOTYPE PLUME SHAPE AND INITIAL TURNING ANGLE; LESS THAN NOMINAL INDICATES A SMALLER AND GREATER THAN NOMINAL A LARGER THAN PROTOTYPE PLUME.

j. Definition of θ_i

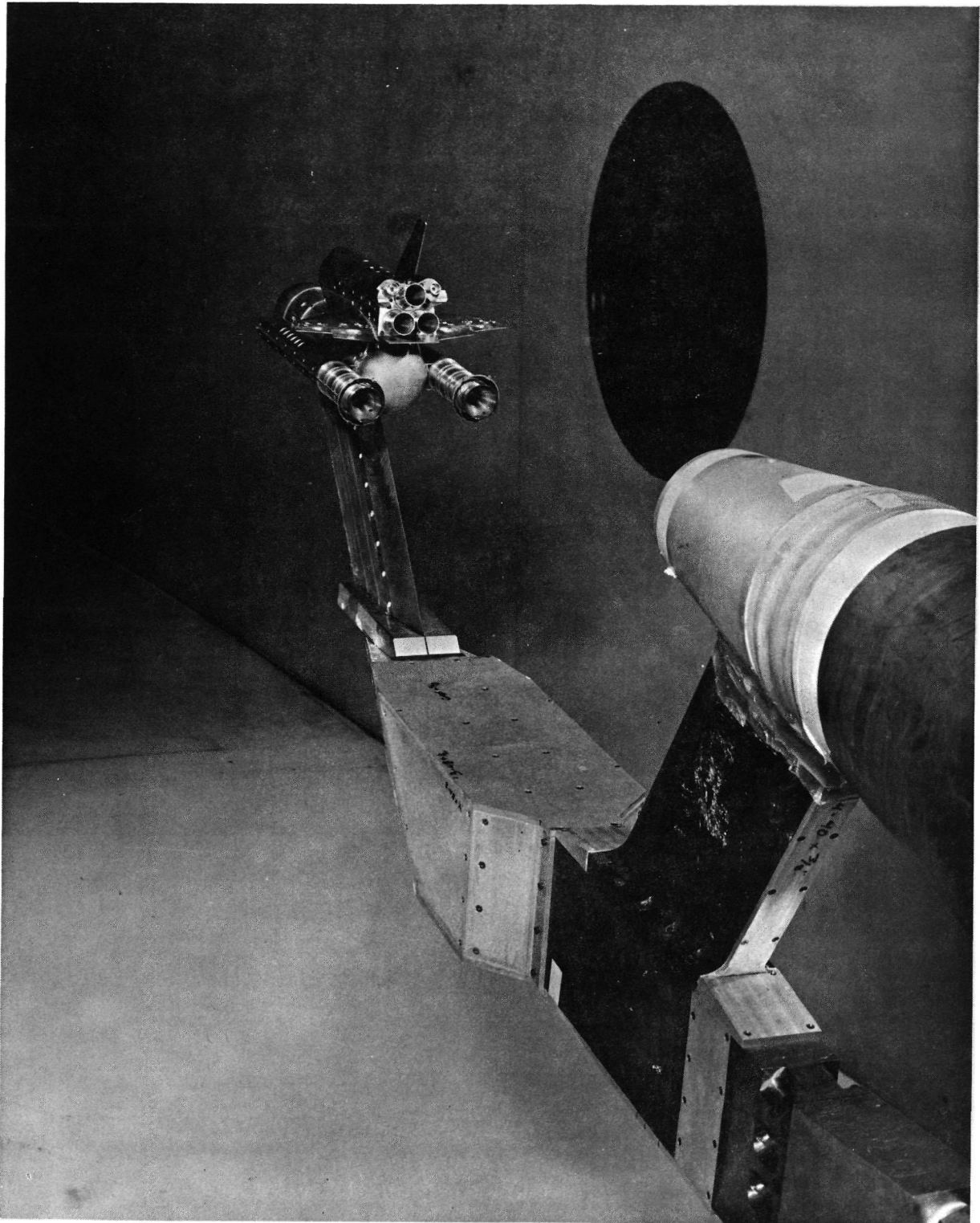
Figure 2. - Concluded.



a. 75-OTS in the ARC 8 x 7 Wind Tunnel, 3/4 Front View

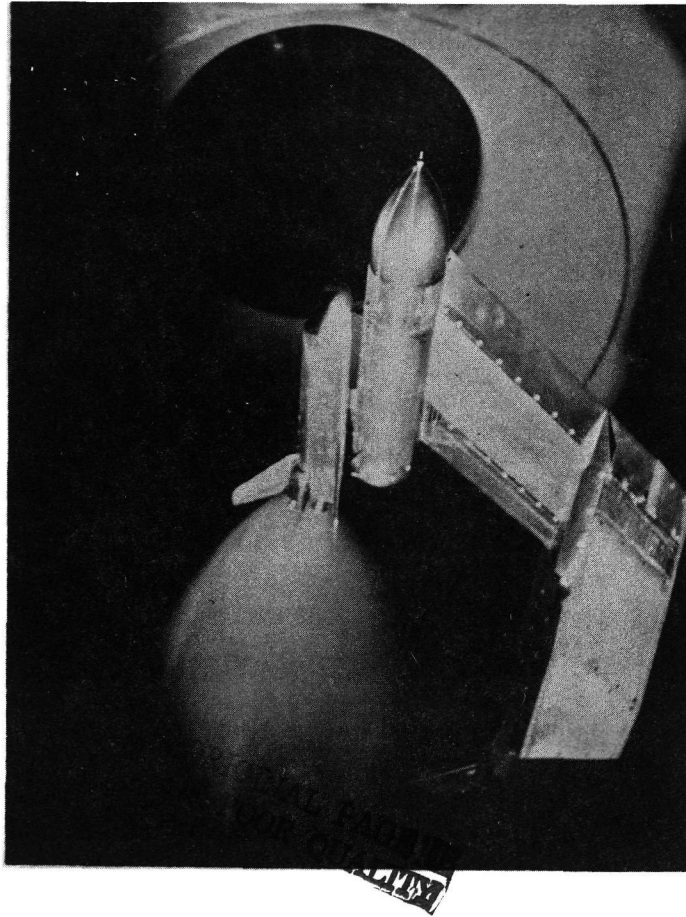
Figure 3. Model photographs.

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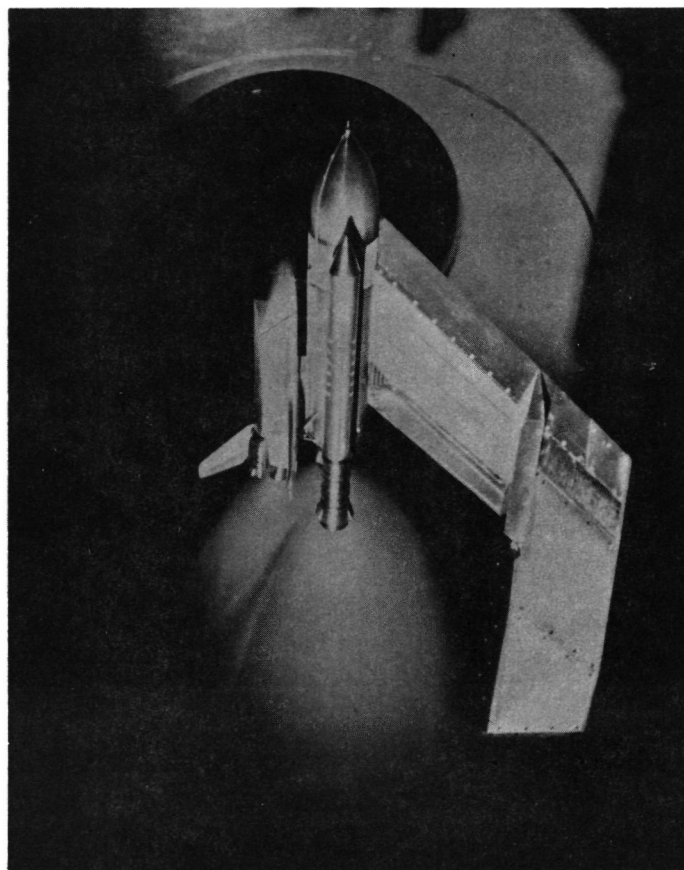
b. 75-OTS in the ARC 8 x 7 Wind Tunnel, 3/4 Rear View

Figure 3. - Continued.



c. 75-0T in the ARC 8 x 7 Wind Tunnel, $\alpha = -4^\circ$, $P_c/P_{\infty} > N$

Figure 3. - Continued.



d. 75-OTS in the ARC 8 x 7 Wind Tunnel, $\alpha=0^\circ$, $P_c/P_\infty > N$

Figure 3. - Concluded.

APPENDIX
TABULATED SOURCE DATA

Tabulations of plotted data are available on request from
Data Management Services

DATE 04 FEB 76

TABULATED SOURCE DATA - 1AS2C

PAGE 1

(RE5001) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

RUN NO. 1/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.916	-3.992	2.99740	-.00070	.00040	-.00060	-.01360	-.00100
-3.963	-1.985	2.99740	.00260	.00050	-.00020	-.00760	-.00070
-3.972	.008	2.99740	.00750	.00090	.00020	.00060	-.00060
-3.891	2.011	2.99740	.01220	.00100	.00060	.01040	-.00040
-3.941	4.011	2.99740	.01640	.00070	.00110	.01550	-.00040
	GRADIENT	-.00000	.00219	.00005	.00021	.00381	.00007

RUN NO. 2/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.066	-3.995	2.99740	.00920	.00110	.00120	-.02670	-.00370
-.038	-1.992	2.99740	.01420	.00160	.00180	-.01830	-.00300
-.060	.008	2.99740	.01750	.00170	.00210	-.00640	-.00240
-.072	2.005	2.99740	.02300	.00170	.00270	-.00290	-.00210
-.053	4.011	2.99740	.02900	.00120	.00330	.00130	-.00150
	GRADIENT	.00000	.00242	.00001	.00025	.00357	.00026

RUN NO. 3/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.019	-4.005	2.99740	.02150	.00150	.00360	-.04120	-.01200
4.034	-1.995	2.99740	.02650	.00180	.00430	-.03250	-.01000
3.987	.011	2.99740	.03330	.00210	.00520	-.02080	-.00840
3.987	2.014	2.99740	.04180	.00220	.00620	-.01560	-.00590
3.984	4.011	2.99740	.04780	.00160	.00710	-.01110	-.00570
	GRADIENT	-.00000	.00339	.00003	.00044	.00383	.00078

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DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

PAGE 2

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5002) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-OB = .000

RUN NO. 4/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.671	-4.039	2.59750	-.00800	-.00040	-.00160	-.00960	-.00210
-3.781	-2.039	2.59750	-.00190	-.00020	-.00080	-.00130	-.00130
-3.784	-.042	2.59750	.00410	.00000	-.00010	.01030	-.00040
-3.697	1.945	2.59750	.01020	.00000	.00050	.02060	.00000
-3.587	3.958	2.59750	.01670	.00020	.00130	.02970	.00130
	GRADIENT	-.00000	.00308	.00007	.00036	.00503	.00041

RUN NO. 5/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
.144	-4.045	2.59750	.00860	.00050	.00120	-.03290	-.00780
.209	-2.045	2.59750	.01440	.00070	.00190	-.02410	-.00600
.156	-.046	2.59750	.02290	.00120	.00300	-.01380	-.00410
.150	1.961	2.59750	.03140	.00080	.00410	-.00340	-.00260
.044	3.954	2.59750	.03800	.00060	.00490	.00680	-.00150
	GRADIENT	.00000	.00379	.00001	.00048	.00500	.00080

RUN NO. 6/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.279	-4.042	2.59750	.02670	.00150	.00440	-.05020	-.01610
4.231	-2.046	2.59750	.03470	.00180	.00550	-.04220	-.01400
4.231	-.042	2.59750	.04480	.00190	.00700	-.03320	-.01110
4.231	1.958	2.59750	.05680	.00180	.00860	-.02110	-.00890
4.219	3.964	2.59750	.06530	.00130	.00990	-.01310	-.00610
	GRADIENT	-.00000	.00495	-.00002	.00070	.00476	.00125

C. 2

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

PAGE 3

ARC87-044 1A82 OTS SR8-NOM MPS-NOM

(RE5003) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

RUN NO. 7/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.684	-4.042	2.59750	.00320	-.00050	-.00060	-.01590	-.00240
-3.850	-2.046	2.59750	.00740	-.00020	.00000	-.00970	-.00160
-3.931	-.042	2.59750	.01110	.00020	.00040	-.00020	-.00080
-3.853	1.951	2.59750	.01500	.00030	.00030	.00630	-.00090
-3.843	3.958	2.59750	.02000	.00050	.00150	.00940	.00000
	GRADIENT	-.00000	.00206	.00013	.00025	.00333	.00028

RUN NO. 8/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
.100	-4.052	2.59750	.01690	.00010	.00180	-.03590	-.00780
-.025	-2.049	2.59750	.02220	.00060	.00240	-.02980	-.00640
.050	-.042	2.59750	.02880	.00140	.00330	-.02170	-.00450
-.031	1.961	2.59750	.03620	.00140	.00430	-.01610	-.00290
.075	3.961	2.59750	.04250	.00130	.00510	-.01210	-.00260
	GRADIENT	.00000	.00325	.00016	.00042	.00306	.00069

RUN NO. 9/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.147	-4.039	2.59750	.03460	.00140	.00490	-.05460	-.01620
4.231	-2.049	2.59750	.04020	.00170	.00580	-.04690	-.01430
4.284	-.046	2.59750	.04940	.00220	.00720	-.03710	-.01100
4.228	1.958	2.59750	.06140	.00240	.00880	-.02920	-.00920
4.069	3.954	2.59750	.06900	.00200	.01000	-.02660	-.00730
	GRADIENT	-.00000	.00450	.00010	.00066	.00369	.00115

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ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(RE5004) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 10/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.781 BETA -.039 MACH 2.59750 CNW .01160 CTMW .00060 CBMW .00040 CHEI .00070 CHEO -.00120
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 11/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .150 BETA -4.042 MACH 2.59750 CNW .01460 CTMW .00050 CBMW .00170 CHEI -.03570 CHEO -.00820
 .094 -.039 2.59750 .02780 .00160 .00320 -.01980 -.00460
 -.012 3.961 2.59750 .04240 .00140 .00510 -.00720 -.00200
 GRADIENT .00000 .00347 .00011 .00042 .00356 .00077

RUN NO. 12/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.178 BETA -.033 MACH 2.59750 CNW .04810 CTMW .00200 CBMW .00710 CHEI -.03580 CHEO -.01110
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 13/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.853 BETA -.039 MACH 2.59750 CNW .01380 CTMW .00010 CBMW .00060 CHEI -.00940 CHEO -.00180
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 14/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .023 BETA -4.049 MACH 2.59750 CNW .02150 CTMW .00010 CBMW .00220 CHEI -.04080 CHEO -.00820
 .091 -.046 2.59750 .03060 .00140 .00340 -.02830 -.00560
 .063 3.958 2.59750 .04320 .00140 .00510 -.02070 -.00640
 GRADIENT .00000 .00271 .00016 .00036 .00251 .00022

ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(RE5005) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(RE5007) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 19/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHE1	CHEO
-3.866	-0.039	2.59750	.01150	.00010	.00040	.00000	-.00130
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 20/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHE1	CHEO
.016	-4.052	2.59750	.01600	.00000	.00170	-.03620	-.00800
.125	-.042	2.59750	.02580	.00070	.00300	-.02230	-.00470
-.034	3.958	2.59750	.04110	.00110	.00490	-.01330	-.00290
	GRADIENT	-.00000	.00313	.00014	.00040	.00286	.00064

RUN NO. 21/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHE1	CHEO
4.087	-.042	2.59750	.04730	.00190	.00690	-.03880	-.01110
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 22/ 0 RN/L = 1.22 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHE1	CHEO
-3.869	-.042	2.59750	.01520	-.00130	.00060	-.02710	-.00370
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 23/ 0 RN/L = 1.23 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHE1	CHEO
.139	-4.039	2.59750	.02200	-.00010	.00200	-.04570	-.00880
.169	-.039	2.59750	.02710	.00020	.00250	-.03730	-.00470
.072	3.958	2.59750	.04070	.00030	.00470	-.02640	-.00670
	GRADIENT	-.00000	.00234	.00005	.00034	.00241	.00026

ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

(RE5008) (22 JAN 76)

(RES010) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-NOM***

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 6.700
 ELV-IB = .000 ELV-OB = .000

RUN NO. 28/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.978 BETA .014 MACH 2.99740 CNW -.00550 CTMW -.00370 CBMW -.00100 CHEI -.00040 CHEO -.00360
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 29/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .005 BETA -3.992 MACH 2.99740 CNW -.00440 CTMW -.00410 CBMW -.00010 CHEI -.02210 CHEO -.00600
 .100 .014 2.99740 .00370 -.00350 .00090 -.00760 -.00480
 .015 4.011 2.99740 .01640 -.00340 .00210 -.00180 -.00420
 GRADIENT -.00000 .00260 .00009 .00027 .00254 .00022

RUN NO. 30/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.053 BETA .008 MACH 2.99740 CNW .01920 CTMW -.00300 CBMW .00350 CHEI -.02050 CHEO -.01020
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 6.700
 ELV-IB = .000 ELV-OB = .000

RUN NO. 31/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.978 BETA .008 MACH 2.99740 CNW -.00390 CTMW -.00320 CBMW -.00090 CHEI .00000 CHEO -.00350
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 32/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.050 BETA -3.995 MACH 2.99740 CNW -.00170 CTMW -.00370 CBMW .00010 CHEI -.02250 CHEO -.00610
 .094 .008 2.99740 .00770 -.00260 .00120 -.00770 -.00480
 -.091 4.017 2.99740 .01900 -.00280 .00230 -.00150 -.00400
 GRADIENT -.00000 .00258 .00011 .00027 .00262 .00026

(RES011) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-NOM**

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(RES011) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-NOM**

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 33/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.150	.014	2.99740	.02270	-.00260	.00420	-.02070	-.01040
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM* MPS-NOM

(RES012) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 34/ 0 RN/L = 1.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.926	.014	2.99740	.01080	-.00180	.00030	-.02560	-.00280
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 35/ 0 RN/L = 1.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
.075	-3.989	2.99740	.01360	-.00110	.00080	-.03860	-.00390
.075	.014	2.99740	.01830	-.00060	.00190	-.02710	-.00220
.034	4.014	2.99740	.02850	-.00090	.00300	-.02250	-.00330
	GRADIENT	-.00000	.00186	.00003	.00027	.00201	.00008

RUN NO. 36/ 0 RN/L = 1.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.118	.008	2.99740	.03400	.00050	.00410	-.03150	-.00280
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5013) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
ELV-1B = .000 ELV-08 = .000

RUN NO. 37/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.972	-3.989	2.99740	.00760	-.00070	-.00010	-.01940	-.00120
-3.931	-1.999	2.99740	.00840	-.00070	.00000	-.01590	-.00100
-4.153	.008	2.99740	.01250	.00020	.00040	-.01220	-.00130
-4.128	2.014	2.99740	.01720	.00100	.00070	-.00590	-.00110
-3.981	4.008	2.99740	.01890	.00050	.00090	-.00600	-.00130
	GRADIENT	.00000	.00157	.00021	.00013	.00184	-.00002

RUN NO. 38/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
.072	-3.992	2.99740	.01840	-.00040	.00180	-.03350	-.00360
.103	-1.992	2.99740	.01970	.00020	.00200	-.02710	-.00310
.125	.011	2.99740	.02150	.00080	.00220	-.02000	-.00210
.044	2.008	2.99740	.02590	.00120	.00270	-.01980	-.00170
.062	4.008	2.99740	.03260	.00090	.00340	-.02040	-.00170
	GRADIENT	-.00000	.00178	.00018	.00019	.00168	.00026

RUN NO. 39/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.090	-3.992	2.99740	.03260	.00120	.00410	-.04730	-.01120
4.044	-1.986	2.99740	.03280	.00110	.00430	-.03970	-.00940
4.003	.008	2.99740	.03550	.00090	.00500	-.03170	-.00780
3.956	2.017	2.99740	.04460	.00160	.00600	-.03080	-.00660
4.122	4.011	2.99740	.05080	.00130	.00690	-.02590	-.00540
	GRADIENT	-.00000	.00241	.00004	.00036	.00258	.00062

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(RE5014) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-NOM

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

RUN NO. 40/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.141 BETA .011
 GRADIENT .00000 MACH 2.99740 CNW .01080 CTMW .00090 CBMW .00030 CHEI .00100 CHEO -.00090
 GRADIENT .00000 MACH .00000 CNW .00000 CTMW .00000 CBMW .00000 CHEI .00000 CHEO .00000

RUN NO. 41/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .069 BETA -3.989
 GRADIENT .011 MACH 2.99740 CNW .01190 CTMW .00060 CBMW .00130 CHEI -.02500 CHEO -.00380
 GRADIENT 4.011 MACH 2.99740 CNW .02060 CTMW .00140 CBMW .00220 CHEI -.00500 CHEO -.00280
 GRADIENT .063 MACH .00000 CNW .03240 CTMW .00110 CBMW .00340 CHEI .00210 CHEO -.00170
 GRADIENT .00000 MACH .00000 CNW .00256 CTMW .00006 CBMW .00026 CHEI .00339 CHEO .00026

RUN NO. 42/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.959 BETA .014
 GRADIENT .00000 MACH 2.99740 CNW .03370 CTMW .00120 CBMW .00500 CHEI -.02010 CHEO -.00820
 GRADIENT .00000 MACH .00000 CNW .00000 CTMW .00000 CBMW .00000 CHEI .00000 CHEO .00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

RUN NO. 43/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.860 BETA .014
 GRADIENT .00000 MACH 2.99740 CNW .01060 CTMW .00070 CBMW .00030 CHEI .00070 CHEO -.00100
 GRADIENT .00000 MACH .00000 CNW .00000 CTMW .00000 CBMW .00000 CHEI .00000 CHEO .00000

RUN NO. 44/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .012 BETA -3.992
 GRADIENT .014 MACH 2.99740 CNW .01110 CTMW .00040 CBMW .00120 CHEI -.02490 CHEO -.00380
 GRADIENT 4.017 MACH 2.99740 CNW .02020 CTMW .00120 CBMW .00220 CHEI -.00510 CHEO -.00270
 GRADIENT .056 MACH .00000 CNW .03060 CTMW .00050 CBMW .00320 CHEI .00190 CHEO -.00180
 GRADIENT .00000 MACH .00000 CNW .00243 CTMW .00001 CBMW .00025 CHEI .00335 CHEO .00025

ARC87-044 1A82 OTS SRB-OFF MPS-NOM+

(RE5015) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-NOM+

(RE5015) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 45/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.925	.008	2.99740	.03260	.00090	.00480	-.01980	-.00810
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(RE5016) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 46/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.063	.008	2.99740	.01330	.00090	.00050	-.00520	-.00100
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 47/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.125	-3.983	2.99740	.01500	.00030	.00140	-.02850	-.00360
-.003	.014	2.99740	.02310	.00160	.00230	-.01440	-.00250
.087	4.008	2.99740	.03210	.00100	.00330	-.01360	-.00170
GRADIENT		.00000	.00214	.00009	.00024	.00186	.00024

RUN NO. 48/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.906	.008	2.99740	.03490	.00110	.00500	-.02670	-.00800
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

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(RE5017) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

REFERENCE DATA

SREF = 2690.000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

RUN NO. 49/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.888 BETA .008 MACH 2.99740 CNW .01520 CTMW .00070 CBMW .00060 CHEI -.01440 CHEO -.00170
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 50/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .072 BETA -3.989 MACH 2.99740 CNW .01940 CTMW .00030 CBMW .00180 CHEI -.03330 CHEO -.00360
 .112 .014 2.99740 .02490 .00180 .00250 -.01870 -.00220
 .087 4.011 2.99740 .03430 .00150 .00350 -.02010 -.00190
 GRADIENT -.00000 .00186 .00015 .00021 .00165 .00021

RUN NO. 51/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.009 BETA .011 MACH 2.99740 CNW .03720 CTMW .00140 CBMW .00510 CHEI -.03300 CHEO -.00790
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(RE5018) (22 JAN 76)

REFERENCE DATA

SREF = 2690.000 SQ.FT. XMRP = 975.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

RUN NO. 52/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.919 BETA .011 MACH 2.99740 CNW .01390 CTMW .00030 CBMW .00050 CHEI -.01150 CHEO -.00150
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 53/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .075 BETA -3.989 MACH 2.99740 CNW .01730 CTMW .00030 CBMW .00160 CHEI -.03190 CHEO -.00370
 .097 .011 2.99740 .02220 .00090 .00220 -.01970 -.00210
 -.047 4.008 2.99740 .03250 .00030 .00330 -.02040 -.00190
 GRADIENT -.00000 .00190 .00015 .00021 .00144 .00023

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(RE5018) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 54/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.922	.014	2.99740	.03420	.00090	.00470	-.03190	-.00750
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-OB = .000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5019) (22 JAN 76)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 55/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.294	-4.086	3.49780	-.00470	-.00190	-.00080	-.00320	-.00040
-4.355	-2.083	3.49780	-.00190	-.00150	-.00060	-.00110	-.00040
-4.212	-.086	3.49780	-.00190	-.00190	-.00070	.00260	-.00040
-4.262	1.917	3.49780	.00040	-.00230	-.00070	.00490	-.00050
-4.141	3.917	3.49780	.00360	-.00260	-.00040	.00730	-.00060
GRADIENT		.00000	.00094	-.00011	.00003	.00135	-.00002

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-OB = .000

RUN NO. 56/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.204	-4.089	3.49780	-.00090	-.00210	.00020	-.01180	-.00270
-.206	-2.089	3.49780	.00040	-.00270	.00040	-.00760	-.00240
-.181	-.083	3.49780	.00470	-.00210	.00070	-.00230	-.00220
-.231	1.917	3.49780	.00850	-.00210	.00100	.00100	-.00170
-.197	3.914	3.49780	.01260	-.00210	.00140	.00250	-.00110
GRADIENT		-.00000	.00175	.00003	.00015	.00186	.00019

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(RE5019) (22 JAN 76)

ARC87-044 1AB2 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 57/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.715	-4.083	3.49780	.00810	-.00170	.00200	-.02110	-.00760
3.662	-2.086	3.49780	.01170	-.00150	.00250	-.01210	-.00700
3.716	-.086	3.49780	.01540	-.00130	.00290	-.00810	-.00560
3.681	1.911	3.49780	.01970	-.00140	.00330	-.00830	-.00480
3.765	3.914	3.49780	.02340	-.00180	.00363	-.00540	-.00430
	GRADIENT	.00000	.00193	-.00001	.00022	.00176	.00044

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 58/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.213	-4.085	3.49780	.00910	-.00250	.00030	-.01450	.00000
-4.150	-2.089	3.49780	.00850	-.00220	.00020	-.01520	-.00010
-4.287	-.086	3.49780	.00930	-.00160	.00000	-.01650	-.00050
-4.172	1.917	3.49780	.01170	-.00150	.00010	-.01620	-.00050
-4.272	3.914	3.49780	.01180	-.00200	.00010	-.01800	-.00070
	GRADIENT	.00000	.00043	-.00009	-.00002	-.00040	-.00009

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

ARC87-044 1AB2 OTS SRB-NOM MPS-NOM

(RE5020) (22 JAN 76)

RUN NO. 59/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-1.147	-4.086	3.49780	.01110	-.00190	.00070	-.02380	-.00190
-1.188	-2.089	3.49780	.01600	-.00210	.00150	-.02180	-.00020
-.031	-.089	3.49780	.01380	-.00150	.00110	-.01820	-.00000
-.122	1.911	3.49780	.01430	-.00160	.00100	-.02120	-.00100
-.278	3.911	3.49780	.02100	-.00170	.00190	-.01960	-.00150
	GRADIENT	.00000	.00090	-.00005	.00009	.00045	-.00000

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5020) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.500 PT = 15.100
 .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 60/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA 3.887 BETA -4.039 MACH 3.49780 CNW .01830 CTMW -.00080 CBMW .00220 CHEO -.00600
 3.881 -2.092 3.49780 .02560 .00020 .00310 -.02190 -.00020
 3.794 -.083 3.49780 .02690 -.00030 .00330 -.02640 -.00270
 3.966 1.914 3.49780 .02070 -.00090 .00220 -.02790 -.00210
 3.856 3.920 3.49780 .02760 -.00090 .00340 -.02720 -.00130
 GRADIENT .00000 .00068 -.00006 .00007 .00027 .00037

ARC87-044 1A82 OTS SRB-OFF MPS-NOM+

(RE5021) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.500 PT = 15.100
 .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 61/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -3.991 BETA -.083 MACH 3.49780 CNW .00440 CTMW -.00150 CBMW -.00030 CHEO .00010
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 62/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA .194 BETA -4.080 MACH 3.49780 CNW .00360 CTMW -.00210 CBMW .00050 CHEO -.00250
 -.225 -.089 3.49780 .00910 -.00200 .00100 -.00240 -.00200
 -.097 3.914 3.49780 .01690 -.00220 .00170 .00170 -.00090
 GRADIENT .00000 .00166 -.00001 .00015 .00168 .00020

RUN NO. 63/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA 3.875 BETA -.086 MACH 3.49780 CNW .01840 CTMW -.00170 CBMW .00310 CHEO -.00560
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM

(RE5022) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 64/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.212	-0.086	3.49780	.00420	-.00110	-.00030	.00260	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 65/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-1.100	-4.089	3.49780	.00460	-.00170	.00060	-.01160	-.00260
-.216	-.083	3.49780	.01190	-.00110	.00130	-.00210	-.00090
-.294	3.917	3.49780	.01360	-.00150	.00180	.00200	.00021
	GRADIENT	-.00000	.00175	.00003	.00015	.00170	.00021

RUN NO. 66/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.785	-0.086	3.49780	.01980	-.00130	.00330	-.00820	-.00570
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(RE5023) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 67/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.200	-0.086	3.49780	.00670	-.00120	-.00010	-.00480	-.00020
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 68/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.266	-4.083	3.49780	.00990	-.00220	.00090	-.01650	-.00230
-.022	-.086	3.49780	.01420	-.00130	.00130	-.01280	-.00150
-.247	3.914	3.49780	.02070	-.00120	.00200	-.01350	-.00070
	GRADIENT	.00000	.00135	.00013	.00014	.00038	.00020

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

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ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(RE5023) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 69/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.728	-.086	3.49780	.02160	-.00110	.00300	-.02010	-.00390
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

(RE5024) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 70/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.087	-.086	3.49780	.00990	-.00150	.00000	-.01830	-.00050
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 71/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.075	-4.083	3.49780	.00940	-.00160	.00040	-.02460	-.00200
-.178	-.089	3.49780	.01280	-.00120	.00080	-.02300	-.00020
-.197	3.911	3.49780	.02240	-.00130	.00200	-.01450	-.00030
GRADIENT		.00000	.00163	.00004	.00020	.00126	.00021

RUN NO. 72/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.747	-.083	3.49780	.02430	-.00020	.00280	-.02420	-.00210
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
ELV-1B = .000 ELV-0B = .000

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(RE5025) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 UREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-OB = .000

RUN NO. 73/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.134	-0.083	3.49780	.00610	-.00250	-.00020	-.01360	-.00060
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 74/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-1.104	-4.086	3.49780	.01080	-.00250	.00090	-.02250	-.00200
-1.153	-.086	3.49780	.00980	-.00280	.00090	-.01910	-.00070
-1.206	3.917	3.49780	.01860	-.00230	.00170	-.01950	-.00170
	GRADIENT	.00000	.00097	.00003	.00010	.00037	.00004

RUN NO. 75/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.825	-0.083	3.49780	.01960	-.00160	.00270	-.02220	-.00280
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 UREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 10.700
 ELV-1B = .000 ELV-OB = .000

RUN NO. 76/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.156	-0.083	3.49780	.00490	-.00410	-.00030	-.02460	-.00110
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 77/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-1.182	-4.089	3.49780	.01000	-.00340	.00080	-.02780	.00050
-.006	-.092	3.49780	.01340	-.00300	.00100	-.02440	-.00110
-1.163	3.911	3.49780	.01180	-.00370	.00050	-.02650	-.00240
	GRADIENT	.00000	.00022	-.00004	-.00004	.00016	-.00036

ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(RE5026) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 10.700
 ELV-1B = .000 ELV-0B = .000

RUN NO. 78/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.806	-0.083	3.49780	.00000	.01340	-0.0260	.00170	-0.02270	-0.00100
				.00000	.00000	-0.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

(RE5027) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

RUN NO. 79/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.209	-0.083	3.49780	.00000	-0.01280	-0.00830	-0.00150	-0.00110	-0.00250
				.00000	.00000	.00000	.00000	.00000

RUN NO. 80/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-1.154	-4.089	3.49780	.00000	-0.01130	-0.00880	-0.00060	-0.01250	-0.00520
-1.240	-0.086	3.49780	.00000	-0.00630	-0.00860	-0.00010	-0.00590	-0.00460
-1.256	3.917	3.49780	.00000	.00230	-0.00830	.00060	-0.00350	-0.00340
				.00170	.00006	.00015	.00112	.00022

RUN NO. 81/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.634	-0.083	3.49780	.00000	.00200	-0.00850	.00190	-0.00890	-0.00800
				.00000	.00000	.00000	.00000	.00000

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

(RE5028) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 82/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMH	CBMW	CHEI	CHEO
-4.159	-.083	3.49780	-.01480	-.00920	-.00160	-.00110	-.00220
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 83/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMH	CBMW	CHEI	CHEO
-.147	-4.083	3.49780	-.01240	-.00920	-.00060	-.01220	-.00500
-.181	-.083	3.49780	-.00860	-.00920	-.00030	-.00580	-.00410
-.300	3.917	3.49780	-.00200	-.00960	.00030	-.00390	-.00310
	GRADIENT	.00000	.00130	-.00005	.00011	.00104	.00024

RUN NO. 84/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMH	CBMW	CHEI	CHEO
3.731	-.083	3.49780	-.00110	-.00900	.00170	-.00830	-.00740
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

(RE5029) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 85/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMH	CBMW	CHEI	CHEO
-4.184	-.083	3.49780	-.01740	-.01060	-.00270	-.02970	-.00150
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 86/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMH	CBMW	CHEI	CHEO
-.060	-4.089	3.49780	.00170	-.00870	.00100	-.03670	-.00120
-.009	-.083	3.49780	.00360	-.00990	-.00190	-.00250	-.00250
-.160	3.917	3.49780	-.00830	-.01050	-.00150	-.03260	-.00510
	GRADIENT	.00000	-.00125	-.00022	-.00031	.00051	-.00049

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ARC87-044 1A82 OTS SRB-NOM** MPS-NOM

(RE5029) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 87/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.850 BETA -.083 MACH 3.49780 CNW .00310 CTMW -.00860 CBMW .00180 CHEI -.02970 CHEO -.00250
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-IB = .000 ELV-OB = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 88/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.963 BETA -.039 MACH 2.59750 CNW .00590 CTMW -.00100 CBMW .00010 CHEI -.01290 CHEO -.00110
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-IB = 4.000 ELV-OB = .000

RUN NO. 89/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .057 BETA -4.045 MACH 2.59750 CNW .00950 CTMW -.00040 CBMW .00140 CHEI -.03340 CHEO -.00920
 .137 .042 2.59750 .02430 .00010 .00320 -.03300 -.00510
 .244 3.961 2.59750 .03960 -.00050 .00520 -.01030 -.00200
 GRADIENT .00000 .00000 .00376 -.00001 .00047 .00538 .00090

RUN NO. 90/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.103 BETA -.042 MACH 2.59750 CNW .04440 CTMW .00070 CBMW .00690 CHEI -.05220 CHEO -.01130
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

CHEO -.01130
 .00000

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5031) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-08 = .000

RUN NO. 91/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.850	-0.042	2.59750	.01050	-.00110	.00050	-.02070	-.00150
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 92/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-0.12	-4.045	2.59750	.01610	-.00060	.00180	-.05750	-.00890
.122	-.042	2.59750	.02860	.00030	.00340	-.03790	-.00530
.013	3.958	2.59750	.04210	-.00010	.00520	-.02330	-.00310
	GRADIENT	-.00030	.00325	.00006	.00042	.00427	.00072

RUN NO. 93/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.097	-0.042	2.59750	.04830	.00080	.00710	-.05640	-.01130
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5032) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 4.000 ELV-08 = .000

RUN NO. 94/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.791	.011	2.99740	.00810	.00020	.00020	-.01430	-.00040
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 95/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
.169	-3.992	2.99740	.00770	.00000	.00100	-.04200	-.00340
.044	.011	2.99740	.01790	.00080	.00210	-.01710	-.00220
-.006	4.011	2.99740	.02820	-.00030	.00320	-.00740	-.00120
	GRADIENT	.00000	.00256	-.00004	.00027	.00432	.00027

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5032) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.000 PT = 15.100
 ELV-1B = 4.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 96/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.062	.014	2.99740	.03060	.00050	.00490	-.03390	-.00790
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5033) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.000 PT = 15.100
 ELV-1B = 4.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 97/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.007	.014	2.99740	.01410	.00000	.00060	-.02620	-.00120
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 98/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.050	-3.989	2.99740	.01930	-.00040	.00190	-.05130	-.00350
.137	.008	2.99740	.02450	.00100	.00250	-.02970	-.00180
.097	4.011	2.99740	.03370	.00010	.00350	-.02630	-.00160
GRADIENT		-.00000	.00180	.00006	.00020	.00312	.00024

RUN NO. 99/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.053	.011	2.99740	.03630	.00050	.00510	-.04430	-.00750
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5034) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 100/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.109	-4.086	3.49780	.00510	.00010	-.00020	-.00630	-.00060
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 101/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.260	-4.083	3.49780	.00350	-.00090	.00050	-.02320	-.00340
-1.103	-.086	3.49780	.00930	-.00090	.00110	-.01010	-.00270
-1.247	3.917	3.49780	.01830	-.00100	.00190	-.00330	-.00150
	GRADIENT	.00000	.00185	-.00001	.00018	.00249	.00024

RUN NO. 102/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.850	-4.086	3.49780	.01850	-.00050	.00320	-.01650	-.00650
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 103/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.056	-4.086	3.49780	.01220	-.00130	.00030	-.02380	-.00140
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 104/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-1.063	-4.086	3.49780	.01310	-.00100	.00080	-.03550	-.00300
-1.184	-.086	3.49780	.01610	-.00090	.00130	-.02560	-.00090
-1.100	3.914	3.49780	.02610	-.00080	.00240	-.02510	-.00260
	GRADIENT	.00000	.00163	.00003	.00020	.00130	.00005

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5035) (22 JAN 76)

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 4.000 ELV-08 = .000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RES035) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 105/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.785	-.086	3.49780	.02940	.00020	.00350	-.03040	-.00340
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
ELV-1B = 4.000 ELV-0B = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RES036) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 106/ 0 RN/L = 2.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.669	-.042	2.59750	.00600	-.00050	-.00010	-.01290	.00290
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
ELV-1B = 4.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 107/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
.141	-4.045	2.59750	.00940	-.00010	.00120	-.05370	-.00370
.194	-.039	2.59750	.02360	.00040	.00290	-.03300	-.00160
.057	3.961	2.59750	.03840	-.00010	.00480	-.01010	-.00010
GRADIENT		.00000	.00362	.00000	.00045	.00545	.00045

RUN NO. 108/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.231	-.039	2.59750	.04350	.00100	.00660	-.05190	-.00660
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
ELV-1B = 4.000 ELV-0B = -4.000

PARAMETRIC DATA

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(RE5037) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = 4.000 ELV-08 = -4.000

RUN NO. 109/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.900	-0.039	2.59750	.01190	-.00050	.00030	-.02030	.00270
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 110/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.050	-4.042	2.59750	.01710	-.00060	.00180	-.05810	-.00430
-.050	-.042	2.59750	.02920	.00070	.00330	-.03800	-.00240
.100	3.958	2.59750	.04250	.00040	.00500	-.02350	-.00180
	GRADIENT	-.00000	.00317	.00012	.00040	.00433	.00031

RUN NO. 111/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.044	-0.042	2.59750	.04790	.00100	.00680	-.05570	-.00660
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 4.000 ELV-08 = -4.000

RUN NO. 112/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.763	.011	2.99740	.00760	.00050	.00000	-.01370	.00140
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 113/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
.003	-3.986	2.99740	.00830	.00030	.00100	-.04160	-.00120
.187	.011	2.99740	.01740	.00100	.00190	-.01680	-.00050
-.063	4.014	2.99740	.02790	.00010	.00300	-.00670	-.00040
	GRADIENT	.00000	.00245	-.00003	.00025	.00436	.00010

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5038) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 114/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.978	.008	2.99740	.02990	.00080	.00460	-.03350	-.00440
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
ELV-IB = 4.000 ELV-OB = -4.000

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 115/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.969	.008	2.99740	.01550	.00050	.00060	-.02600	.00100
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
ELV-IB = 4.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 116/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
.191	-3.992	2.99740	.02000	-.00020	.00190	-.05110	-.00120
.144	.011	2.99740	.02510	.00130	.00240	-.02970	-.00060
-.138	4.008	2.99740	.03510	.00080	.00340	-.02600	-.00210
GRADIENT		.00000	.00189	.00013	.00019	.00314	-.00011

RUN NO. 117/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.981	.011	2.99740	.03610	.00080	.00480	-.04370	-.00430
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
ELV-IB = 4.000 ELV-OB = -4.000

PARAMETRIC DATA

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5040) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = -4.000

RUN NO. 118/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.084	-0.086	3.49780	.00490	.00010	-.00040	-.00550	.00080
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 119/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-0.038	-4.086	3.49780	.00360	-.00070	.00040	-.02260	-.00120
-.278	-.086	3.49780	.00960	-.00050	.00090	-.00910	-.00110
-.372	3.917	3.49780	.01770	-.00070	.00160	-.00240	-.00090
	GRADIENT	.00000	.00176	-.00000	.00015	.00252	.00004

RUN NO. 120/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.822	-0.086	3.49780	.01870	-.00020	.00300	-.01570	-.00410
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = -4.000

RUN NO. 121/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.112	-0.086	3.49780	.01370	-.00080	.00030	-.02370	-.00090
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 122/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-0.204	-4.083	3.49780	.01350	-.00080	.00080	-.03520	-.00100
-.094	-.086	3.49780	.01680	-.00070	.00130	-.02510	-.00170
-.116	3.917	3.49780	.02450	-.00090	.00210	-.02440	-.00300
	GRADIENT	.00000	.00138	-.00001	.00016	.00135	-.00025

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(RE5041) (22 JAN 76)

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ARC87-044 IAB2 OTS SRB-NOM MPS-NOM

(RE5041) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 123/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.875	-.089	3.49780	.02800	.00020	.00320	-.03060	-.00240
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = -4.000

ARC87-044 IAB2 OTS SRB-OFF MPS-OFF

(RE5042) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 124/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.800	-.046	2.59750	.00940	-.00190	.00040	-.04680	.00320
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

RUN NO. 125/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.478	-.042	2.59750	.01030	-.00110	.00120	-.08570	-.00270
.141	-.042	2.59750	.02800	-.00080	.00350	-.06180	-.00140
.889	3.961	2.59750	.04800	-.00140	.00820	-.04050	-.00030
GRADIENT		.00000	.00471	-.00004	.00062	.00564	.00030

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

RUN NO. 126/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.115	-.042	2.59750	.04380	-.00020	.00560	-.08600	-.00680
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5043) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.500 PT = 15.100
 ELV-1B = 10.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 127/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.728	-0.042	2.59750	.00000	.01590	-.00170	.00090	-.04610	.00260
				.00000	.00000	.00000	.00000	.00000

RUN NO. 128/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.490	-4.042	2.59750	.01650	.00120	.00170	.00170	-.09110	-.00350
.194	-.042	2.59750	.03210	-.00050	.00370	.00370	-.06550	-.00230
.863	3.961	2.59750	.05120	-.00100	.00630	.00630	-.04180	-.00210
			.00432	.00002	.00057	.00057	.00616	.00017

RUN NO. 129/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.022	-0.042	2.59750	.04840	-.00020	.00690	.00690	-.09090	-.00720
			.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5044) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 130/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.978	.011	2.99740	.01220	-.00040	.00050	.00050	-.03490	.00190
			.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 131/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.538	-3.992	2.99740	.00870	-.00040	.00090	.00090	-.07350	.00010
.081	.011	2.99740	.01890	.00000	.00220	.00220	-.04440	.00020
			.00255	.00010	.00032	.00032	.00727	.00002

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5044) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 132/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
4.075	.014	2.99740	.03020	-.00030	.00470	-.06780	-.00420
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
ELV-IB = 10.000 ELV-OB = -4.000

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 133/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
-3.966	.014	2.99740	.01860	-.00010	.00100	-.03990	.00160
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
ELV-IB = 10.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 134/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
-.519	-3.986	2.99740	.01940	-.00090	.00190	-.08310	.00030
.225	.011	2.99740	.02610	.00010	.00270	-.05170	.00040
.753	4.011	2.99740	.04100	-.00050	.00440	-.03960	-.00130
GRADIENT		.00000	.00270	.00005	.00031	.00544	-.00020

RUN NO. 135/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
4.137	.011	2.99740	.03650	-.00010	.00490	-.07420	-.00380
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
ELV-IB = 10.000 ELV-OB = -4.000

(RE5045) (22 JAN 76)

(RE5044) (22 JAN 76)

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5046) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

RUN NO. 136/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.256	-0.086	3.49780	.00690	-.00100	-.00010	-.02210	.00190
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 137/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-1.778	-4.083	3.49780	.00330	-.00140	.00030	-.05030	.00040
-1.147	-0.086	3.49780	.01070	-.00140	.00120	-.02950	.00000
.540	3.917	3.49780	.02240	-.00150	.00240	-.01940	.00020
	GRADIENT	.00000	.00239	-.00001	.00026	.00386	-.00002

RUN NO. 138/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.878	-0.083	3.49780	.01930	-.00100	.00320	-.03740	-.00310
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

RUN NO. 139/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.134	-0.083	3.49780	.01450	-.00130	.00040	-.03560	.00040
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 140/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-1.635	-4.083	3.49780	.01250	-.00100	.00060	-.06060	.00090
-1.062	-0.089	3.49780	.01710	-.00130	.00140	-.04150	.00030
.522	3.914	3.49780	.02800	-.00100	.00260	-.01950	.00000
	GRADIENT	.00000	.00194	.00000	.00025	.00514	-.00011

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5047) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RES047) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 141/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.863	-.083	3.49780	.03170	.00040	.00380	-.03710	.00030
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RES048) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 142/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.859	-4.039	2.59750	-.00030	-.00140	-.00080	-.05810	.00190
-3.859	-.042	2.59750	.01170	-.00150	.00070	-.03220	.00280
-3.928	3.958	2.59750	.02550	-.00160	.00220	-.00740	.00570
	GRADIENT	-.00000	.00330	-.00003	.00038	.00634	.00048

RUN NO. 143/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.725	-4.042	2.59750	.00870	-.00100	.00110	-.07530	-.00300
-.006	-.042	2.59750	.02620	-.00050	.00330	-.05350	-.00180
.635	3.970	2.59750	.04630	-.00110	.00600	-.03350	-.00060
	GRADIENT	-.00000	.00469	-.00001	.00061	.00522	.00030

RUN NO. 144/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.194	-4.055	2.59750	.02670	.00000	.00440	-.09780	-.01160
4.063	-.046	2.59750	.04360	.00010	.00670	-.07610	-.00710
4.110	3.954	2.59750	.06680	-.00020	.00990	-.04960	-.00360
	GRADIENT	.00000	.00501	-.00002	.00069	.00602	.00100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 10.000 ELV-08 = -4.000

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = 8.000 ELV-08 = -4.000

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5049) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = 8.000 ELV-08 = -4.000

RUN NO. 145/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA BETA MACH CNW CTMW CBMW CHEI CHEO
 -3.875 -4.049 2.59750 .00650 -.00160 -.00020 -.06360 .00130
 -3.741 -.042 2.59750 .01720 -.00110 .00100 -.03860 .00200
 -3.309 3.961 2.59750 .02870 -.00120 .00240 -.02110 .00400
 GRADIENT .00000 .00277 .00005 .00032 .00531 .00034

RUN NO. 146/ 0 PN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA BETA MACH CNW CTMW CBMW CHEI CHEO
 -1.781 -4.042 2.59750 .01540 -.00110 .00160 -.08040 -.00370
 .044 -.046 2.59750 .03040 -.00030 .00350 -.05900 -.00270
 .522 3.958 2.59750 .05000 -.00060 .00620 -.03950 -.00200
 GRADIENT -.00000 .00433 .00006 .00058 .00511 .00021

RUN NO. 147/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA BETA MACH CNW CTMW CBMW CHEI CHEO
 4.082 -4.045 2.59750 .03420 .00000 .00480 -.10270 -.01200
 4.034 -.046 2.59750 .04800 .00020 .00690 -.08100 -.00760
 4.100 3.961 2.59750 .07120 .00030 .01000 -.05460 -.00450
 GRADIENT .00000 .00462 .00004 .00065 .00601 .00034

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5050) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 148/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.950	-3.995	2.99740	.00100	-.00080	-.00050	-.05370	.00210
-4.050	-1.995	2.99740	.00520	-.00050	.00010	-.04100	.00230
-3.903	.008	2.99740	.01080	-.00030	.00040	-.02700	.00170
-3.822	2.014	2.99740	.01640	-.00020	.00090	-.01560	.00200
-3.875	4.017	2.99740	.02080	-.00080	.00130	-.01020	.00180
	GRADIENT	.00000	.00254	.00001	.00023	.00562	-.00004

RUN NO. 149/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-1.666	-3.999	2.99740	.00750	-.00040	.00080	-.06280	-.00030
-1.438	-1.999	2.99740	.01250	-.00010	.00140	-.04990	-.00010
-.094	.014	2.99740	.01750	.00010	.00200	-.03530	-.00010
.072	2.017	2.99740	.02420	-.00030	.00270	-.02910	-.00010
.487	4.011	2.99740	.03260	-.00060	.00380	-.02430	-.00040
	GRADIENT	.00000	.00309	-.00003	.00036	.00489	-.00001

RUN NO. 150/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.022	-3.992	2.99740	.01890	-.00020	.00320	-.08840	-.00760
4.078	-1.989	2.99740	.02370	.00000	.00380	-.07420	-.00590
4.081	.011	2.99740	.03000	.00000	.00470	-.05890	-.00480
4.050	2.011	2.99740	.03780	.00000	.00560	-.04640	-.00390
4.016	4.014	2.99740	.04720	-.00020	.00680	-.03710	-.00310
	GRADIENT	.00000	.00353	.00000	.00045	.00652	.00055

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TABULATED SOURCE DATA - 1A82C

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(RE5051) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 151/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.889	-3.989	2.99740	.01050	-.00140	.00030	-.06040	.00220
-3.950	-1.959	2.99740	.01340	-.00090	.00050	-.04940	.00220
-3.910	.014	2.99740	.01770	.00000	.00090	-.03490	.00120
-3.922	2.009	2.99740	.02280	.00010	.00130	-.02650	.00150
-3.937	4.009	2.99740	.02440	-.00060	.00150	-.02340	.00120
	GRADIENT	-.00000	.00186	.00013	.00016	.00485	-.00014

RUN NO. 152/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.903	-3.989	2.99740	.01790	-.00120	.00170	-.07100	.00000
-3.966	-1.995	2.99740	.02040	-.00060	.00200	-.05890	.00020
-3.919	.011	2.99740	.02400	-.00010	.00240	-.04370	.00000
.131	2.014	2.99740	.03130	-.00010	.00320	-.03750	.00050
.387	4.009	2.99740	.03960	-.00060	.00410	-.03540	.00180
	GRADIENT	-.00000	.00261	.00009	.00030	.00463	-.00019

RUN NO. 153/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.972	-3.989	2.99740	.03380	.00070	.00430	-.09460	-.00750
4.009	-1.992	2.99740	.03440	.00030	.00440	-.08240	-.00590
4.005	.005	2.99740	.03550	.00000	.00480	-.06770	-.00460
4.065	2.014	2.99740	.04490	.00020	.00500	-.05360	-.00380
4.072	4.011	2.99740	.05210	-.00030	.00700	-.04350	-.00400
	GRADIENT	-.00000	.00236	-.00010	.00035	.00655	.00045

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RES052) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 154/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.213	-4.083	3.49780	.00100	-.00130	-.00040	-.02920	.00240
-4.197	-2.083	3.49780	.00340	-.00100	-.00030	-.02510	.00200
-4.181	-.083	3.49780	.00530	-.00120	-.00030	-.01370	.00150
-4.262	1.914	3.49780	.00940	-.00160	.00000	-.01220	.00110
-4.225	3.914	3.49780	.01330	-.00180	.00030	-.01090	.00070
	GRADIENT	.00000	.00153	-.00008	.00009	.00248	-.00022

RUN NO. 155/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-1.065	-4.085	3.49780	.00150	-.00180	.00010	-.03900	.00040
-.750	-2.089	3.49780	.00520	-.00190	.00060	-.02930	.00010
-.372	-.089	3.49780	.00800	-.00190	.00090	-.02170	-.00020
-.109	1.914	3.49780	.01410	-.00170	.00150	-.01720	-.00020
.215	3.917	3.49780	.01800	-.00230	.00200	-.01470	-.00010
	GRADIENT	.00000	.00209	-.00004	.00023	.00303	-.00006

RUN NO. 156/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.837	-4.083	3.49780	.01010	-.00130	.00210	-.06060	-.00510
3.759	-2.089	3.49780	.01430	-.00120	.00270	-.04400	-.00460
3.697	-.085	3.49780	.01720	-.00120	.00310	-.02930	-.00390
3.781	1.914	3.49780	.02210	-.00120	.00350	-.02800	-.00320
3.706	3.911	3.49780	.02660	-.00150	.00400	-.02420	-.00270
	GRADIENT	.00000	.00206	-.00002	.00023	.00444	.00031

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RES053) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 9'6.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 157/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.282	-4.092	3.49780	.01220	-.00250	.00070	-.04050	.00210
-4.166	-2.089	3.49780	.01220	-.00220	.00050	-.04070	.00130
-4.150	-.089	3.49780	.01270	-.00160	.00030	-.03100	-.00020
-4.294	1.914	3.49780	.01560	-.00180	.00040	-.02870	-.00150
-4.169	3.917	3.49780	.01690	-.00210	.00050	-.02930	-.00130
	GRADIENT	.00000	.00064	.00006	-.00002	.00172	-.00048

RUN NO. 158/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-979	-4.089	3.49780	.01310	-.00170	.00080	-.05100	.00030
-775	-2.083	3.49780	.01830	-.00220	.00160	-.04250	-.00060
-356	-.086	3.49780	.01530	-.00170	.00120	-.03570	-.00090
-.047	1.911	3.49780	.01790	-.00150	.00130	-.03020	-.00160
.418	3.917	3.49780	.02580	-.00170	.00240	-.01770	-.00070
	GRADIENT	.00000	.00125	.00003	.00015	.00394	-.00015

RUN NO. 159/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.722	-4.092	3.49780	.01940	-.00100	.00220	-.06920	-.00520
3.750	-2.092	3.49780	.02470	.00000	.00290	-.05150	-.00140
3.725	-.083	3.49780	.03040	.00010	.00370	-.03550	-.00020
3.791	1.908	3.49780	.02020	-.00180	.00210	-.03570	-.00150
3.756	3.914	3.49780	.03060	-.00080	.00350	-.03340	-.00070
	GRADIENT	.00000	.00090	-.00007	.00009	.00437	.00044

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5054) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 160/ 0 RN/L = 2.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA BETA MACH CTMW CBMW CHEI CHEO
-3.765 .01280 .00000 .00000 .00100 -.03200 -.00150
GRADIENT .00000 .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 161/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA BETA MACH CTMW CBMW CHEI CHEO
-4.042 .01020 .00090 .00140 -.07600 -.00850
.144 2.59750 .00050 .00370 -.05350 -.00550
.653 2.59750 .00120 .00660 -.03260 -.00310
GRADIENT -.00000 .00487 -.00004 .00065 .00542 .00068

RUN NO. 162/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA BETA MACH CTMW CBMW CHEI CHEO
4.100 .0429 .04550 .00020 .00710 -.07750 -.01340
GRADIENT .00000 .00000 .00000 .00000 .00000 .00000 .00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 163/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA BETA MACH CTMW CBMW CHEI CHEO
-3.819 .01420 .00080 .00180 -.03740 -.00190
GRADIENT .00000 .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 164/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA BETA MACH CTMW CBMW CHEI CHEO
-4.045 .01540 .00120 .00170 -.07950 -.00860
-1.103 2.59750 .00040 .00380 -.05700 -.00600
.666 2.59750 .00100 .00660 -.03710 -.00440
GRADIENT .00431 .00003 .00061 .00530 .00052 .00052

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
ELV-IB = 8.000 ELV-OB = .000

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
ELV-IB = 8.000 ELV-OB = .000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5055) (22 JAN 76)

DATE 04 FEB 76

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5055) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 165/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.981	-.039	2.99750	.04890	.00010	.00720	-.08110	-.01340
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.500 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5056) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 166/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.978	.014	2.99740	.01280	-.00020	.00080	-.02680	-.00090
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 167/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.638	-3.992	2.99740	.00960	-.00020	.00110	-.06140	-.00320
.022	.011	2.99740	.02070	.00030	.00250	-.03340	-.00260
.578	4.014	2.99740	.03520	-.00070	.00430	-.02240	-.00200
	GRADIENT	.00000	.00320	-.00006	.00040	.00487	.00015

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 168/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.997	.014	2.99740	.03220	.00010	.00510	-.05960	-.00880
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

PARAMETRIC DATA

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5057) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 169/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.875	.014	2.99740	.01830	.00000	.00120	-.03460	-.00130
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 170/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.866	-3.986	2.99740	.01970	-.00060	.00190	-.07140	-.00300
-.162	.011	2.99740	.02650	.00050	.00280	-.04360	-.00200
.597	4.011	2.99740	.04090	-.00020	.00460	-.03510	-.00210
	GRADIENT	.00000	.00265	.00005	.00034	.00454	.00011

RUN NO. 171/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.050	.008	2.99740	.03830	.00040	.00520	-.06740	-.00840
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5058) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 172/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.240	-.089	3.49780	.00770	-.00080	.00020	-.01520	-.00040
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 173/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.913	-4.083	3.49780	.00460	-.00110	.00050	-.03910	-.00290
-.347	-.089	3.49780	.01220	-.00110	.00150	-.02110	-.00260
.209	3.914	3.49780	.02260	-.00140	.00260	-.01170	-.00180
	GRADIENT	.00000	.00225	-.00004	.00026	.00343	.00014

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 8.000 ELV-08 = .000

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 8.000 ELV-08 = .000

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(RE5058) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 174/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.791	-.083	3.49780	.02070	-.00080	.00360	-.02980	-.00710
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-08 = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5059) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 175/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.172	-.083	3.49780	.01410	-.00120	.00050	-.03040	-.00140
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 176/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-1.072	-4.086	3.49780	.01450	-.00100	.00100	-.05100	-.00260
-.381	-.089	3.49780	.01710	-.00120	.00150	-.03530	-.00130
.409	3.917	3.49780	.02850	-.00100	.00290	-.01710	-.00100
GRADIENT		.00000	.00175	.00000	.00024	.00424	.00020

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 177/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.747	-.086	3.49780	.03360	.00090	.00410	-.03480	-.00150
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-08 = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5060) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 178/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
-3.912	-4.039	2.59750	.00080	-.00190	-.00050	-.07160	-.00370
-4.016	-.042	2.59750	.01360	-.00210	.00110	-.04190	-.00160
-3.853	3.964	2.59750	.02890	-.00230	.00290	-.01620	.00100
	GRADIENT	-.00000	.00351	-.00005	.00042	.00692	.00059

RUN NO. 179/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
-.546	-4.045	2.59750	.01100	-.00120	.00150	-.08860	-.00920
.053	-.036	2.59750	.02860	-.00100	.00380	-.06690	-.00620
.669	3.967	2.59750	.05000	-.00170	.00680	-.04560	-.00350
	GRADIENT	.00000	.00487	-.00006	.00066	.00537	.00071

RUN NO. 180/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
3.882	-4.042	2.59750	.02860	-.00030	.00470	-.11120	-.01940
4.034	-.042	2.59750	.04710	-.00030	.00730	-.08730	-.01330
4.154	3.961	2.59750	.07090	-.00090	.01060	-.06110	-.00800
	GRADIENT	.00000	.00529	-.00007	.00074	.00626	-.00142

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 181/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
-3.890	-4.042	2.59750	.00800	-.00180	.00020	-.07680	-.00410
-3.900	-.042	2.59750	.01870	-.00150	.00150	-.04740	-.00230
-3.940	3.958	2.59750	.03180	-.00160	.00300	-.02630	-.00030
	GRADIENT	-.00000	.00297	.00003	.00035	.00631	.00048

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
ELV-IB = 10.000 ELV-OB = .000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5061) (22 JAN 76)

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
ELV-IB = 10.000 ELV-OB = .000

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5061) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 182/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.634	-4.039	2.59750	.01720	-.00110	.00190	-.09400	-.00940
-.063	-.039	2.59750	.03390	-.00040	.00410	-.06900	-.00670
.788	3.958	2.59750	.05370	-.00110	.00690	-.04500	-.00490
	GRADIENT	-.00000	.00456	.00000	.00063	.00613	.00056

RUN NO. 183/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.060	-4.045	2.59750	.03680	.00000	.00530	-.11630	-.01940
4.009	-.042	2.59750	.05110	-.00020	.00740	-.09250	-.01340
4.019	3.954	2.59750	.07510	-.00030	.01080	-.06200	-.00910
	GRADIENT	.00000	.00479	-.00004	.00069	.00679	.00129

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 184/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-3.963	-3.995	2.99740	.00370	-.00070	-.00020	-.06390	-.00170
-4.050	.008	2.99740	.01390	-.00030	.00090	-.03420	-.00110
-4.038	4.014	2.99740	.02390	-.00120	.00180	-.01800	-.00010
	GRADIENT	-.00000	.00252	-.00006	.00025	.00573	.00020

RUN NO. 185/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.713	-3.909	2.99740	.00340	-.00040	.00110	-.07380	-.00350
-.091	.011	2.99740	.02040	.00010	.00250	-.04440	-.00290
.581	4.014	2.99740	.03650	-.00080	.00440	-.03350	-.00240
	GRADIENT	-.00000	.00339	-.00005	.00041	.00504	.00014

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5062) (22 JAN 76)

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(RE5062) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 186/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CNW	CTMW	CBMW	CHEI	CHEO
3.887	-3.986	.02130	-.00010	.00350	-.10110	-.01310
3.825	.011	.03270	-.00010	.00510	-.06770	-.00890
4.062	4.011	.05080	-.00070	.00740	-.04690	-.00620
	GRADIENT	.00369	-.00008	.00049	.00678	.00086

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
ELV-1B = 10.000 ELV-0B = .000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5063) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 187/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CNW	CTMW	CBMW	CHEI	CHEO
-4.053	-3.989	.01190	-.00110	.00050	-.07380	-.00190
-4.200	.011	.01940	.00000	.00120	-.04090	-.00170
-4.135	4.011	.02590	-.00100	.00190	-.02630	-.00080
	GRADIENT	.00175	.00001	.00017	.00594	.00014

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
ELV-1B = 10.000 ELV-0B = .000

RUN NO. 188/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CNW	CTMW	CBMW	CHEI	CHEO
-1.709	-3.995	.01960	-.00080	.00190	-.08540	-.00360
-.041	.008	.02720	.00030	.00290	-.05270	-.00250
.525	4.008	.04290	-.00040	.00480	-.04070	-.00260
	GRADIENT	.00291	.00005	.00036	.00559	.00012

RUN NO. 189/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CNW	CTMW	CBMW	CHEI	CHEO
3.909	-3.992	.03590	.00100	.00460	-.10980	-.01300
3.993	.011	.03860	.00000	.00530	-.07570	-.00860
3.859	4.017	.05760	-.00020	.00780	-.04680	-.00730
	GRADIENT	.00271	-.00015	.00040	.00787	.00071

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(RE5064) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

RUN NO. 190/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.213	-4.080	3.49780	.00360	-.00100	-.00010	-.03910	-.00110
-4.384	-.086	3.49780	.00890	-.00090	.00020	-.02400	-.00100
-4.360	3.914	3.49780	.01670	-.00170	.00080	-.01810	-.00080
	GRADIENT	.00000	.00164	-.00009	.00011	.00263	.00004

RUN NO. 191/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-1.016	-4.083	3.49780	.00440	-.00130	.00050	-.04910	-.00320
-.294	-.086	3.49780	.01220	-.00120	.00150	-.03100	-.00310
.359	3.914	3.49780	.02270	-.00180	.00270	-.02240	-.00240
	GRADIENT	.00000	.00229	-.00006	.00028	.00334	.00010

RUN NO. 192/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.775	-4.092	3.49780	.01290	-.00080	.00240	-.06930	-.00960
3.675	-.086	3.49780	.02050	-.00090	.00350	-.03830	-.00710
3.665	3.920	3.49780	.03150	-.00140	.00470	-.03150	-.00530
	GRADIENT	.00000	.00232	-.00307	.00029	.00472	.00054

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

RUN NO. 193/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.288	-4.086	3.49780	.01390	-.00180	.00080	-.04950	-.00110
-4.228	-.083	3.49780	.01380	-.00150	.00040	-.03680	-.00190
-4.303	3.917	3.49780	.01920	-.00210	.00100	-.03360	-.00270
	GRADIENT	.00000	.00066	-.00004	.00002	.00199	-.00020

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(RE5065) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 194/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
- .950	-4.089	3.49780	.01320	-.00110	.00070	-.06190	-.00330
- .194	-.089	3.49780	.01750	-.00150	.00150	-.04170	-.00220
.325	3.917	3.49780	.02760	-.00150	.00260	-.02260	-.00170
	GRADIENT	.00000	.00180	-.00005	.00026	.00491	.00020

RUN NO. 195/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.690	-4.098	3.49780	.02290	-.00050	.00270	-.08060	-.00980
3.716	-.089	3.49780	.03270	.00020	.00410	-.03830	-.00170
3.697	3.924	3.49780	.03330	-.00100	.00390	-.03400	-.00260
	GRADIENT	.00000	.00130	-.00006	.00015	.00581	.00090

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

(RE5066) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 196/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.066	- .042	2.59750	.01250	.00060	.00060	.00210	-.00060
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 197/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
- .740	-4.042	2.59750	.01420	.00020	.00140	-.03300	-.00620
- .081	-.042	2.59750	.02830	.00160	.00330	-.02170	-.00400
.569	3.954	2.59750	.04580	.00160	.00590	-.01650	-.00290
	GRADIENT	-.00000	.00395	.00018	.00056	.00206	.00041

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

(RE5066) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 2.600 PT = 15.100
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT ELV-18 = .000 ELV-08 = .000
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

RUN NO. 198/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
4.053	-.042	2.59750	.04310	.00170	.00640	-.04170	-.01160
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

(RE5067) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 3.000 PT = 15.100
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT ELV-18 = .000 ELV-08 = .000
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

RUN NO. 199/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.088	.011	2.99740	.01710	.00140	.00090	-.01240	-.00110
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 200/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.691	-3.986	2.99740	.01830	.00030	.00170	-.03020	-.00240
.015	.008	2.99740	.02480	.00180	.00250	-.01930	-.00160
.503	4.011	2.99740	.03670	.00170	.00400	-.02210	-.00150
	GRADIENT	-.00000	.00230	.00017	.00029	.00101	.00011

RUN NO. 201/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.978	.014	2.99740	.03500	.00150	.00480	-.03380	-.00790
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

(RE5068) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 1290.3000 IN.
BREF = 1290.3000 IN.
SCALE = .0100

MACH = 3.500 PT = 15.100
ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 202/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.287 BETA -4.083 MACH 3.49780 CNW .01300 CTMW .00010 CBMW .00030 CHEI -.01420 CHEO -.00120
GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 203/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.938 BETA -4.083 MACH 3.49780 CNW .01610 CTMW .00010 CBMW .00110 CHEI -.02240 CHEO -.00240
-.240 -.086 3.49780 .01790 -.00030 .00160 -.02020 -.00110
.290 3.917 3.49780 .02630 .00030 .00260 -.01350 -.00120
GRADIENT .00000 .00000 .00000 .00000 .00019 .00111 .00015

RUN NO. 204/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.803 BETA -.089 MACH 3.49780 CNW .03310 CTMW .00210 CBMW .00400 CHEI -.02580 CHEO -.00160
GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

(RE5069) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 1290.3000 IN.
BREF = 1290.3000 IN.
SCALE = .0100

MACH = 2.600 PT = 15.100
ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 205/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.116 BETA -4.046 MACH 2.59750 CNW .01060 CTMW .00030 CBMW .00070 CHEI -.00050 CHEO -.00160
GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 206/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.693 BETA -4.042 MACH 2.59750 CNW .01180 CTMW .00010 CBMW .00150 CHEI -.03220 CHEO -.00690
-.031 -.039 2.59750 .02640 .00130 .00340 -.02100 -.00490
.566 3.954 2.59750 .04400 .00110 .00590 -.01450 -.00330
GRADIENT .00000 .00000 .00000 .00000 .00013 .00055 .00221 .00045

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

(RES069) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
ELV-1B = .000 ELV-08 = .000

RUN NO. 207/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.091 BETA -.042 MACH 2.59750 CNW .04250 CTMW .00170 CBMW .00660 CHE1 -.04140 CHE0 -.01260
GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

(RES070) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
ELV-1B = .000 ELV-08 = .000

RUN NO. 208/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.097 BETA .011 MACH 2.99740 CNW .01610 CTMW .00170 CBMW .00110 CHE1 -.01470 CHE0 -.00210
GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 209/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.834 BETA -3.986 MACH 2.99740 CNW .01590 CTMW .00060 CBMW .00170 CHE1 -.03120 CHE0 -.00300
-.056 .011 2.99740 .02340 .00220 .00230 -.00220
.481 4.008 2.99740 .03580 .00300 .00430 -.00260
GRADIENT .00000 .00249 .00018 .00033 .00094 .00005

RUN NO. 210/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.937 BETA .014 MACH 2.99740 CNW .03430 CTMW .00200 CBMW .00500 CHE1 -.03420 CHE0 -.00850
GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

(RE5071) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 211/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.225	-4.083	3.49780	.01170	.00080	.00080	-.01900	-.00180
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 212/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.957	-4.083	3.49780	.01240	.00000	.00130	-.02500	-.00320
-.291	-.086	3.49780	.01500	.00070	.00160	-.02290	-.00130
.231	3.914	3.49780	.02430	.00100	.00300	-.01480	-.00210
	GRADIENT	.00000	.00149	.00013	.00021	.00128	.00014

RUN NO. 213/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
3.719	-.086	3.49780	.02720	.00230	.00390	-.02720	-.00270
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OT MPS-NOM (NO.2 OFF)

(RE5072) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 214/ 0 RN/L = 1.72 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-4.334	-.086	3.49780	-.01830	-.00570	-.00320	.00870	.00030
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 215/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNW	CTMW	CBMW	CHEI	CHEO
-.857	-4.086	3.49780	-.00770	-.00410	-.00110	-.00720	-.00260
-.194	-.086	3.49780	.00290	-.00310	.00020	-.00150	-.00230
.465	3.914	3.49780	.01660	-.00250	.00210	.00340	-.00190
	GRADIENT	.00000	.00304	.00020	.00040	.00133	.00009

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

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ARC87-044 1A82 OT MPS-NOM (NO.2 OFF)

(RE5072) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 216/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
3.840	3.917	3.49780	.03920	.00020	.00590	-.00530	-.00620
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

ARC87-044 1A82 OT MPS-NOM (NO.1 OFF)

(RE5073) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 217/ 0 RN/L = 1.73 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
-4.272	-.085	3.49780	-.02190	-.00580	-.00350	.00910	.00000
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 218/ 0 RN/L = 1.71 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
-.907	-4.089	3.49780	-.01010	-.00400	-.00130	-.00650	-.00300
-.216	-.083	3.49780	-.00100	-.00340	-.00020	-.00100	-.00280
.247	3.914	3.49780	.01280	-.00270	.00170	.00390	-.00240
GRADIENT		-.00000	.00286	.00016	.00037	.00130	.00007

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

CHEO
 -.00300
 -.00280
 -.00240
 .00007

RUN NO. 219/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
3.944	-.083	3.49780	.02260	-.00050	.00380	-.01340	-.00900
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000

CHEO
 -.00900
 .00000

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ARC87-044 1A82 OT MPS-OFF

(RE5074) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 220/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.344 BETA -.083 MACH 3.49780 CNM -.02100 CTMW -.00340 CHEI .01070 CHEO -.00010
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 221/ 0 RN/L = 1.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.919 BETA -4.086 MACH 3.49780 CNM -.00940 CTMW -.00300 CHEI -.00530 CHEO -.00300
 -.044 -.086 3.49780 .00210 .00190 .00050 .00280
 .347 3.920 3.49780 .01460 .00170 .00530 .00240
 GRADIENT .00000 .00300 .00016 .00039 .00132 .00007

RUN NO. 222/ 0 RN/L = 1.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.800 BETA -.063 MACH 3.49780 CNM .02030 CTMW -.00030 CHEI -.01220 CHEO -.00900
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

ARC87-044 1A82 OT MPS-NOM

(RE5075) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 223/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.090 BETA -.083 MACH 3.49780 CNM -.01560 CTMW -.00420 CHEI .01010 CHEO .00020
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 224/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.800 BETA -4.086 MACH 3.49780 CNM -.00310 CTMW -.00220 CHEI -.00500 CHEO -.00270
 -.106 -.086 3.49780 .00490 .00180 .00030 .00010 .00240
 .509 3.914 3.49780 .01880 .00100 .00220 .00480 .00220
 GRADIENT .00000 .00274 .00015 .00036 .00123 .00006

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-IB = .000 ELV-OB = .000

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ARC87-044 1A82 OT MPS-NOM

(RE5075) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 225/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.825 BETA -.083 MACH 3.49780 CNW .02720 CTMW .00060 CBMW .00410 CHEI -.01200 CHEO -.00890
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

MACH = 3.500 PT = 15.100
 ELV-18 = -.000 ELV-08 = .000

PARAMETRIC DATA

ARC87-044 1A82 OT MPS-NOM-

(RE5076) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 226/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.259 BETA -.083 MACH 3.49780 CNW -.01130 CTMW -.00380 CBMW -.00260 CHEI .00970 CHEO .00030
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 227/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.860 BETA -4.089 MACH 3.49780 CNW -.00450 CTMW -.00270 CBMW -.00090 CHEI -.00550 CHEO -.00290
 -.194 -.086 3.49780 .00780 -.00140 .00050 .00000 .00000
 .459 3.911 3.49780 .02240 -.00060 .00250 .00480 .00210
 GRADIENT .00000 .00336 .00026 .00042 .00129 .00010

RUN NO. 228/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.897 BETA -.083 MACH 3.49780 CNW .02860 CTMW .00080 CBMW .00430 CHEI -.01230 CHEO -.00900
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

ARC87-044 1A82 OT MPS-NOM+

(RE5077) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 229/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.175 BETA -4.083 MACH 3.49780
 GRADIENT .00000 CNW -.00990 CTMW -.00400 CBMW -.00260 CHEI .00930
 CHEO .00020
 .00000

RUN NO. 230/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.810 BETA -4.089 MACH 3.49780
 -.194 -.086 3.49780
 .581 3.49780
 GRADIENT .00000 CNW -.00380 CTMW -.00280 CBMW -.00080 CHEI -.00520
 .00760 -.00180 -.00040 -.00240
 .02060 -.00150 .00230 .00400
 .00305 .00016 .00039 .00115
 CHEO -.00280
 -.00240
 -.00220
 .00007

RUN NO. 231/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.791 BETA -.089 MACH 3.49780
 GRADIENT .00000 CNW .02770 CTMW .00050 CBMW .00410 CHEI -.01200
 .00000

ARC87-044 1A82 OT MPS-NOM++

(RE5078) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 232/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.237 BETA -.089 MACH 3.49780
 GRADIENT .00000 CNW -.01960 CTMW -.00840 CBMW -.00320 CHEI .00440
 CHEO -.00360
 .00000

RUN NO. 233/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.678 BETA -4.083 MACH 3.49780
 -.159 -.083 3.49780
 .462 3.49780
 GRADIENT .00000 CNW -.01190 CTMW -.00750 CBMW -.00140 CHEI -.00840
 .01680 -.00120 -.00020 -.00350
 .00359 .00480 .00210 -.00030
 .00034 .00044 .00013
 CHEO -.00750
 -.00690
 -.00650
 .00013

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

DATE 04 FEB 76.

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ARC87-044 1A82 OT MPS-NOM++

(RE5078) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 234/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
3.878	-.089	3.49780	.01880	-.00450	.00350	-.01600	-.01300
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

ARC87-044 1A82 OT MPS-NOM+++

(RE5079) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 235/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
-4.212	-.089	3.49780	-.02390	-.01020	-.00360	.00280	-.00450
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 236/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
-.741	-4.080	3.49780	-.01540	-.03870	-.00170	-.00900	-.00800
-.197	-.086	3.49780	-.00620	-.00820	-.00050	-.00450	-.00740
.369	3.920	3.49780	.00900	-.00720	.00140	-.00200	-.00680
	GRADIENT	.00000	.00305	.00019	.00039	.00087	.00015

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 237/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	MACH	CNM	CTMW	CBMW	CHEI	CHEO
4.069	-.086	3.49780	.01860	-.00440	.00350	-.01700	-.01380
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

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 OF POOR QUALITY

ARC87-044 1A82 OT MPS-NOM****

(RE5080) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 238/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.016 BETA -.083 MACH 3.49780 CNW -.02330 CTMW -.00940 CBMW -.00340 CHEI .00230 CHEO -.00470
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 239/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.963 BETA -.086 MACH 3.49780 CNW -.02240 CTMW -.00950 CBMW -.00220 CHEI -.00860 CHEO -.00800
 -.197 -.089 3.49780 -.01140 -.00860 -.00090 -.00430 -.00740
 .387 3.914 3.49780 .00230 -.00810 .00090 -.00220 -.00720
 GRADIENT .00000 .00309 .00017 .00039 .00080

RUN NO. 240/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.769 BETA -.086 MACH 3.49780 CNW .00950 CTMW -.00540 CBMW .00270 CHEI -.01510 CHEO -.01350
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5001) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 1/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.916 BETA -3.992 CP151 .04340 CP152 .01380 CP153 -.00790 CP154 -.01650 CP155 -.01570 CP156 .05170 CP157 -.01230 CP158 .00520 CP159 .01020 CP160 -.00530
 -3.963 -1.986 .06830 .02750 .00270 .00550 .00860 .00660 .00280 .05290 .04640 .01930 .00440 .01050 .00450
 -3.972 .008 .10060 .04780 .01320 .00660 .00280 .00280 .00280 .00280 .00280 .00280 .00280 .00280 .00280
 -3.891 2.011 .14130 .06750 .02320 .01850 .00490 .04990 .01060 .00800 .00800 .00800 .00800 .00800 .00800
 -3.941 4.011 .18480 .09040 .04070 .03560 .01890 .06410 .01130 .01670 .02920 .01910 .00177 .00213
 GRADIENT .00966 .00966 .00588 .00641 .00413 .00141 .00279

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

MACH = 3.000 PT = 14.700
 ELV-18 = .000 ELV-08 = .000

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5001) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 14.700
 ELV-IB = .000 ELV-OB = .000

RUN NO. 2/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.066	-3.995	.02880	-.00540	-.03330	-.04110	-.04650	.02500	-.04670	-.03970	-.03230	-.04750
-.038	-1.992	.04480	.00430	-.02720	-.03300	-.04280	.03080	-.04770	-.04150	-.01420	-.03480
-.060	.008	.07060	.02120	-.01770	-.02430	-.03670	.03250	-.03670	-.04090	-.03120	-.04210
-.072	2.005	.11000	.03730	-.00740	-.01290	-.02760	.03530	-.02500	-.03620	-.02540	-.03350
-.069	4.011	.15780	.05560	.00630	.00160	-.01200	.03440	-.02130	-.03960	-.02520	-.02720
	GRADIENT	.01615	.00775	.00495	.00527	.00421	.00116	.00367	.00027	.00015	.00209

RUN NO. 3/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.019	-4.005	.04280	-.02290	-.05710	-.06570	-.07310	.01340	-.05360	-.05710	-.05510	-.06950
4.034	-1.986	.06370	-.01410	-.05380	-.06240	-.07170	.01250	-.05460	-.06320	-.06430	-.07130
3.987	.011	.09030	-.00260	-.04700	-.05560	-.06570	.02050	-.04410	-.05770	-.05380	-.05850
3.987	2.014	.13350	.01210	-.03650	-.04430	-.05520	.02880	-.03880	-.05240	-.03880	-.04270
3.984	4.011	.19190	.03250	-.02160	-.02860	-.03790	.04220	-.02630	-.04100	-.02550	-.02200
	GRADIENT	.01837	.00684	.00441	.00461	.00434	.00369	.00351	.00214	.00432	.00617

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-IB = .000 ELV-OB = .000

RUN NO. 4/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.671	-4.039	.07800	-.00630	-.02880	-.03500	-.02800	.01440	-.00630	.01220	.01840	.00180
-3.781	-2.039	.10360	.01160	-.01960	-.02830	-.02660	.01020	-.01090	.01330	.01860	.00040
-3.784	-.042	.13800	.03040	-.00890	-.01650	-.01790	.01620	-.00650	.01170	.01680	-.00090
-3.697	1.945	.17650	.04790	.00040	-.00580	-.01170	.02310	.00040	.01080	.02730	.01500
-3.587	3.958	.00000	.00000	.00300	.00000	.00000	.00000	.00000	.00000	.00000	.00000
	GRADIENT	-.00419	.00244	.00388	.00463	.00355	-.00060	.00120	-.00135	-.00141	.00055

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5002) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 5/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.144	-4.045	.07260	-.01940	-.05820	-.06810	-.06750	-.02530	-.05230	-.04300	-.03260	-.05060
.209	-2.046	.10250	-.00950	-.05250	-.06150	-.06520	-.03410	-.05650	-.04770	-.04320	-.05730
.156	-.046	.14950	.00620	-.04240	-.04910	-.05700	-.02330	-.04300	-.04020	-.03350	-.04360
.150	1.961	.19150	.02250	-.03210	-.03630	-.04640	-.00930	-.02700	-.02980	-.01720	-.02310
.044	3.954	.26440	.04540	-.01560	-.01730	-.02860	-.00220	-.02980	-.02390	-.00330	-.01010
GRADIENT		.02362	.00808	.00528	.00634	.00483	.00355	.00373	.00280	.00423	.00576

RUN NO. 6/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.279	-4.042	.05320	-.04100	-.08620	-.09580	-.09830	-.03980	-.06810	-.07540	-.06670	-.07600
4.231	-2.046	.09180	-.03300	-.08050	-.08750	-.09290	-.04560	-.05680	-.06850	-.06110	-.07270
4.231	-.042	.14950	-.01710	-.07210	-.07190	-.07830	-.03960	-.05640	-.06510	-.05870	-.05250
4.231	1.958	.19650	.00010	-.05520	-.04880	-.05440	-.03190	-.05500	-.06090	-.05190	-.04960
4.219	3.954	.29430	.02480	-.02740	-.02040	-.03300	-.01320	-.03780	-.05300	-.03050	-.03280
GRADIENT		.02913	.00823	.00714	.00947	.00845	.00334	.00362	.00262	.00408	.00547

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 7/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.684	-4.042	.09110	-.00730	-.03090	-.03760	-.03060	.01110	-.00470	.00920	.01590	-.00390
-3.850	-2.046	.11660	.01200	-.01990	-.02820	-.02680	.00110	-.01060	.00940	.01160	-.00280
-3.931	-.042	.15010	.02820	-.01180	-.01870	-.02120	.01260	-.00430	.00960	.01380	-.00150
-3.853	1.951	.18770	.04560	-.00020	-.00600	-.01210	.02260	.00650	.01100	.02900	.01760
-3.843	3.958	.27360	.07080	.01590	.01060	.00150	.03260	.01790	.02370	.04090	.02950
GRADIENT		.02181	.00949	.00567	.00593	.00395	.00323	.00312	.00153	.00337	.00436

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5003) (22 JAN 76)

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5003) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.100	-4.052	.08580	-.02090	-.05920	-.08950	-.06810	-.02940	-.03800	-.04160	-.03690	-.04520
-.025	-2.049	.11620	-.00960	-.05230	-.06150	-.06480	-.02690	-.02450	-.03410	-.02830	-.02940
.050	-.042	.15650	.00410	-.04410	-.05030	-.05830	-.02610	-.02090	-.02980	-.02480	-.02480
-.031	1.961	.20260	.02060	-.03380	-.03880	-.04820	-.01510	-.01930	-.02510	-.01620	-.01320
.075	3.961	.27000	.04070	-.01710	-.01670	-.02840	-.00360	-.02280	-.02000	-.00190	-.00720
	GRADIENT	.02270	.00766	.00513	.00620	.00479	.00316	.00178	.00261	.00410	.00460

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.147	-4.039	.06960	-.04140	-.08720	-.09720	-.09370	-.04870	-.05010	-.06730	-.06570	-.05730
4.231	-2.049	.10690	-.03430	-.08320	-.09010	-.09590	-.04750	-.04020	-.05140	-.05000	-.03800
4.284	-.046	.15020	-.02090	-.07500	-.07500	-.08200	-.04340	-.03340	-.05120	-.04700	-.03790
4.228	1.958	.20260	-.00460	-.06070	-.06150	-.06150	-.03700	-.03980	-.05370	-.04590	-.04090
4.059	3.934	.26450	.01520	-.03440	-.02560	-.03500	-.02100	-.04390	-.05530	-.03480	-.03700
	GRADIENT	.02428	.00715	.00641	.00884	.00819	.00330	.00064	.00108	.00329	.00188

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.781	-.039	.14300	.02690	-.01320	-.02050	-.02270	.01660	-.00780	.01410	.03070	-.00690
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.150	-4.042	.08010	-.02290	-.06100	-.07050	-.06970	-.03310	-.04980	-.04310	-.03780	-.05350
.094	-.039	.14960	.00240	-.04550	-.05240	-.05970	-.02680	-.03660	-.04050	-.03210	-.03910
-.012	3.961	.25950	.03820	-.02170	-.02440	-.03390	-.00430	-.03110	-.02750	-.00830	-.01440
	GRADIENT	.02242	.00763	.00491	.00576	.00447	.00360	.00234	.00195	.00369	.00489

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(AE5004) (22 JAN 76)

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ARC87-044 1A82 OTS SRB-NOM-MPS-NOM

(AE5004) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	12/ 0	RN/L =	2.55	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

MACH	=	2.600	PT	=	14.700
ELV-18	=	.000	ELV-08	=	.000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(AE5005) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	13/ 0	RN/L = 2.58	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

MACH	=	2.600	PT	=	14.700
ELV-IB	=	.000	ELV-OB	=	.000

PARAMETRIC DATA

RUN NO.	14/ 0	RN/L =	2.57	GRADIENT	INTERVAL =	-5.00/	5.00
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	ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
	.029	-4.049	.0830	-.0190	-.0570	-.0680	-.0670	-.02710	-.02350	-.03230	-.03070	-.02600
	.091	-.046	.15170	.00320	-.04510	-.05190	-.05930	-.02650	-.00610	-.01740	-.01520	-.00720
	.069	3.958	.26740	.04200	.01800	.02180	.03250	-.00430	-.01470	-.01690	-.00210	-.00230
		GRADIENT	.02327	.00772	.00498	.00577	.00440	.00285	.00110	.00192	.00357	.00353

RUN NO.	15/ 0	RN/L =	2.58	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

/ 5.00

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

(AE5006) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 16/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.947	-0.039	.14070	.02740	-.01260	-.01950	-.02280	.01170	-.00680	.00760	.01260	.00060
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 17/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.029	-4.045	.08470	-.02110	-.05910	-.06880	-.06880	-.03000	-.03670	-.03980	-.02980	-.04200
.100	-.042	.14680	.00180	-.04540	-.05210	-.05930	-.02510	-.02420	-.02670	-.01890	-.02530
.122	3.964	.26410	.03980	-.02050	-.02340	-.03440	-.00970	-.02830	-.02500	-.00550	-.00690
	GRADIENT	.02240	.00760	.00482	.00566	.00430	.00253	.00105	.00185	.00303	.00438

RUN NO. 18/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.156	-.039	.14200	-.02100	-.07400	-.07400	-.08170	-.04550	-.04360	-.05720	-.05360	-.05030
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 19/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.866	-0.039	.14120	.02820	-.01170	-.01870	-.02170	.01240	-.00400	.00760	.01210	-.00270
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 20/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.016	-4.052	.08420	-.02100	-.05950	-.06950	-.06900	-.03160	-.03280	-.03890	-.03390	-.04060
.125	-.042	.14740	.00260	-.04560	-.05220	-.05950	-.02760	-.01730	-.02890	-.02170	-.02810
-.034	3.958	.26560	.04180	-.01890	-.02200	-.03310	-.00540	-.02380	-.02290	-.00490	-.00650
	GRADIENT	.02265	.00784	.00507	.00593	.00448	.00327	.00112	.00200	.00362	.00426

ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(AE5007) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(AE5007) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

RUN NO. 21/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.087	- .042	.14220	-.02200	-.07520	-.07500	-.08330	-.04560	-.03980	-.05430	-.05200	-.04370
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

(AE5008) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

RUN NO. 22/ 0 RN/L = 1.22 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.869	- .042	.16580	.02690	-.02190	-.02810	-.02810	.00630	.03860	.03670	.03240	.06840
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 23/ 0 RN/L = 1.23 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.138	-4.039	.08800	-.02920	-.07020	-.08010	-.08190	-.01040	-.01790	-.02290	-.02100	-.00420
.169	-.039	.15180	-.00310	-.05730	-.06500	-.07100	-.01900	.04330	.02650	.02530	.05140
.072	3.958	.23910	.03830	-.02760	-.03070	-.03750	.01260	.01010	.00770	.01820	.03120
	GRADIENT	.01889	.00844	.00533	.00618	.00555	.00288	.00350	.00383	.00490	.00443

RUN NO. 24/ 0 RN/L = 1.23 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.159	- .046	.12510	-.03310	-.08460	-.08950	-.09320	-.01690	-.02490	-.01260	-.00760	.01460
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

PARAMETRIC DATA

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

(AE5009) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 25/ 0 RN/L = .99 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.935	.008		.14170	.03680	-.00560	-.01520	-.01950	.09840	.07250	.05770	.07680	.10010
			.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 26/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.065	-3.995		.07060	-.01990	-.05350	-.06210	-.06900	.06670	.02260	.01560	.02170	.03810
.200	.011		.11030	.00690	-.03970	-.04910	-.05600	.06390	.01760	.04690	.03400	.03140
.012	4.008		.18480	.04840	-.01080	-.01510	-.02880	.05630	.03050	.01680	.02450	.04430
			.01427	.00853	.00533	.00587	.00502	-.00130	.00099	.00015	.00035	.00077

RUN NO. 27/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.134	.014		.09270	-.02113	-.06680	-.07280	-.07020	.06550	.01200	.01550	.01460	.01030
			.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 28/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.978	.014		.11320	.03250	-.00520	-.01470	-.01980	.06770	.01120	-.02150	-.01890	-.02830
			.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 29/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.006	-3.992		.03650	-.02770	-.05770	-.06630	-.07310	.03620	-.04700	-.06590	-.05910	-.06680
.100	.014		.08390	.03240	-.04060	-.05090	-.06030	.05120	-.02270	-.05533	-.05880	-.05710
.015	4.011		.15810	.04540	-.01230	-.01570	-.03040	.05080	-.02780	-.04850	-.04330	-.04510
			.01519	.00913	.00567	.00632	.00533	.00183	.00240	.00217	.00197	.00271

ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

(AE5010) (22 JAN 76)

ORIGINAL PAGE IS
 OF POOR QUALITY

ARC87-044 1A82 OTS SRB-OFF MPS-NOM+++

(AE5010) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 975.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

RUN NO. 30/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.053	.008	.07090	-.02350	-.06720	-.07750	-.08350	.03320	-.05540	-.06830	-.08030	-.08550
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

RUN NO. 31/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.978	.008	.10810	.03170	-.00520	-.01470	-.01980	.06250	-.01750	-.02700	-.02270	-.03730
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.050	-3.995	.03300	-.02710	-.05710	-.06570	-.07090	.04700	-.04590	-.06740	-.06060	-.07350
.084	.008	.07920	.00210	-.04080	-.05190	-.05960	.06040	-.03910	-.06570	-.04510	-.05970
-.091	4.017	.15570	.04380	-.01300	-.01640	-.03020	.05700	-.02380	-.03930	-.03840	-.03760
	GRADIENT	.01531	.00885	.00550	.00615	.00508	.00125	.00276	.00351	.00277	.00448

RUN NO. 32/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.150	.014	.06380	-.02680	-.07080	-.08120	-.08810	.03390	-.07400	-.06190	-.06190	-.08180
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-NOM+++

(AE5011) (22 JAN 76)

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(AE5012) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 10.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 34/ 0 RN/L = 1.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.928	.014	.11060	.03700	.00000	-.00860	-.01660	.02220	.00070	.01200	-.01140	.01570
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 35/ 0 RN/L = 1.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.075	-3.989	.06300	-.01500	-.04890	-.05750	-.06340	-.01010	-.01980	-.01930	-.01980	-.01550
.075	.014	.10650	.01380	-.03370	-.04130	-.05200	-.00370	-.01020	-.01670	-.01070	.00540
.034	4.014	.18310	.05160	-.00580	-.00900	-.02300	-.00610	-.01520	-.02870	-.02390	-.00340
	GRADIENT	.01501	.00832	.00539	.00606	.00505	.00050	.00058	-.00117	-.00051	.00151

RUN NO. 36/ 0 RN/L = 1.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.118	.008	.10690	-.01150	-.06040	-.07220	-.08140	-.02600	-.04050	-.03730	-.04430	-.01520
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5013) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 37/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.972	-3.989	.05810	.01290	-.00990	-.01940	-.01860	.02360	.01220	.00830	.00610	-.00420
-3.931	-1.999	.08470	.02620	.00000	-.00840	-.01100	.03880	-.00260	.01480	.02470	.00880
-4.153	.008	.12030	.04970	.01290	.00490	-.00350	.04450	.00470	.01910	.04000	.02050
-4.128	2.014	.16030	.07000	.02360	.01910	.00540	.04550	.00800	.00500	.02160	.01900
-3.981	4.008	.19830	.09010	.03910	.03460	.01820	.06160	.01480	.01060	.03040	.02170
	GRADIENT	.01780	.00991	.00608	.00677	.00450	.00413	.00079	-.00026	.00227	.00310

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AES013) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-IB =

3.000 PT = 15.100
 .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 38/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.072	-3.992	.04450	-.00600	-.03560	-.04430	-.04960	.01550	-.02500	-.02920	-.02430	-.02770
.103	-1.992	.06430	.00470	-.02950	-.03640	-.04550	.00700	-.03770	-.04310	-.03050	-.03090
.125	.011	.09130	.02070	-.02110	-.02760	-.03930	.01720	-.02770	-.03070	-.02690	-.02310
.044	2.008	.12830	.03670	-.01120	-.01760	-.03210	.02090	-.01180	-.02280	-.01980	-.01140
.062	4.008	.17310	.05380	-.00140	-.00360	-.01760	.01910	-.01370	-.03190	-.01890	-.01740
	GRADIENT	.01606	.00758	.00461	.00501	.00387	.00106	.00182	.00075	.00107	.00200

RUN NO. 39/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.090	-3.992	.06050	-.02120	-.05800	-.06750	-.07470	.01370	-.02530	-.04050	-.04770	-.03410
4.044	-1.986	.08290	-.01020	-.05340	-.06220	-.07170	.00370	-.03230	-.04130	-.03980	-.03340
4.003	.008	.10730	-.00140	-.04880	-.05760	-.06820	.00350	-.02650	-.03670	-.03750	-.02080
3.956	2.017	.15020	.01660	-.03620	-.04450	-.05440	.00750	-.02870	-.04470	-.03170	-.01230
4.122	4.011	.20480	.03420	-.02360	-.02960	-.03950	.02900	-.01960	-.05080	-.03100	-.01930
	GRADIENT	.01779	.00688	.00430	.00467	.00438	.00172	.00075	-.00120	.00207	.00253

ARC87-044 1A82 OTS SRB-OFF MPS-NOM

(AES014) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-IB =

3.000 PT = 15.100
 .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 40/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.141	.011	.10780	.04810	.01170	.00440	-.00510	.03530	-.02600	-.00550	.01820	.00410
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 41/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.069	-3.989	.03500	-.00570	-.03420	-.04250	-.04860	.01720	-.05280	-.02850	-.03070	-.04600
.022	.011	.08210	.02250	-.01860	-.02580	-.03760	.00900	-.05070	-.04840	-.03990	-.05710
-.063	4.011	.16900	.05840	.00600	.00140	-.01300	.03560	-.02080	-.02610	-.01020	-.01630
	GRADIENT	.01575	.00801	.00503	.00549	.00445	.00230	.00400	.00030	.00256	.00371

DATE 04 FEB 76

TABULATED SOURCE DATA --IAB2C

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ARC87-044 IAB2 OTS SRB-OFF MPS-NOM

(AE5014) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 42/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.959	.014	.09460	-.00120	-.04750	-.05660	-.06730	.00750	-.05040	-.06220	-.05460	-.06100
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 43/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.860	.014	.10760	.04720	.01070	.00310	-.00640	.04060	-.01480	-.00040	.02120	.00410
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 44/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.012	-3.992	.03690	-.00570	-.03450	-.04330	-.04900	.01800	-.05050	-.04210	-.03340	-.04400
.078	.014	.08230	.02100	-.02120	-.02800	-.04060	.01370	-.05390	-.05500	-.04550	-.05460
.056	4.017	.16870	.05680	.00360	-.00100	-.01540	.02760	-.03170	-.03360	-.01000	-.02070
GRADIENT		.01646	.00780	.00476	.00528	.00419	.00120	.00235	.00106	.00292	.00291

RUN NO. 45/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.925	.008	.09490	-.00200	-.04920	-.05790	-.06850	.01030	-.04970	-.06220	-.05620	-.05880
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(AE5016) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 46/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.063	.008	.11750	.04800	.01150	.00350	-.00520	.03230	-.01610	-.00090	.01780	-.00430
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 47/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-1.125	-3.983	.04510	-.00270	-.03190	-.04060	-.04710	.01420	-.03130	-.03200	-.02520	-.03920
-.003	.014	.09130	.02330	-.01890	-.02570	-.03820	.01340	-.02570	-.03630	-.02990	-.03180
.087	4.008	.17490	.05790	.00470	.00020	-.01460	.03270	-.02660	-.02280	-.01250	-.01370
	GRADIENT	.01624	.00758	.00458	.00511	.00407	.00231	.00059	.00115	.00159	.00319

RUN NO. 48/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.906	.008	.10390	-.00090	-.04800	-.05670	-.06730	.00230	-.03450	-.04860	-.04250	-.02920
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM-

(AE5017) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 49/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.888	.008	.11740	.04730	.01010	.00300	-.00610	.03090	.00200	.00200	.01610	.00350
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 50/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.072	-3.989	.04550	-.00610	-.03680	-.04470	-.05160	.01230	-.01990	-.02940	-.02560	-.02710
.112	.014	.09140	.02170	-.02160	-.02800	-.04050	.01400	-.02410	-.03770	-.03700	-.03240
.087	4.011	.17710	.05620	.00310	-.00150	-.01590	.02080	-.01880	-.02910	-.02070	-.01990
	GRADIENT	.01645	.00779	.00499	.00540	.00446	.00106	.00014	.00004	.00061	.00090

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

(AE5017) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	973.0000	IN.	YT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH
ELV-1B

15.100
.000

PARAMETRIC DATA

RUN NO.	51/ 0	RN/L =	2.09	GRADIENT	INTERVAL =	-5.00/	5.00
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ARC87-044 I A82 OTS SRB-NOM MPS-NOM+

(AE5018) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH
ELV-1B

15.100
15.100

PARAMETRIC DATA

RUN NO.	52/ 0	RN/L =	2.08	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

RUN. NO.	53/ 0	RN/L =	2.08	GRADIENT INTERVAL =	-5.00/ 5.00
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	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
ALPHA	.075	.04550	-.00730	-.03770	-.04570	-.05170	-.00410	-.03500	-.04380	-.04570	-.05070
	.087	.09430	.02210	-.02010	-.02770	-.03940	.01140	-.02390	-.00910	-.01820	-.01400
	.047	.18170	.06000	.00700	.00280	-.01200	.02690	.00640	-.02050	-.01670	-.02160
GRADIENT		.01703	.00842	.00559	.00606	.00496	.00388	.00358	.00291	.00363	.00364

RUN NO.	54/ 0	RN/L =	2.08	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

ARC87-044 1A82 OTS SRB-OFF MPS-NOM+

(AE5021) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH =
 ELV-1B = 15.100
 PT = .000
 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 61/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.991	-0.083	.10950	.05280	.02210	.01630	.00420	.09380	-.02680	-.01280	-.00930	-.03780
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 62/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.194	-4.080	.04410	-.00850	-.02770	-.03290	-.03980	.08000	-.04960	-.04260	-.05890	-.07230
-.225	-.089	.08950	.03330	-.00370	-.01350	-.02390	.11900	-.00190	-.01170	-.01980	-.02610
-.097	3.914	.15360	.07390	.02590	.01440	.00170	.13500	.00800	-.01340	-.00700	-.01570
	GRADIENT	.01370	.01032	.00671	.00592	.00519	.00688	.00720	.00365	.00649	.00708

RUN NO. 63/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.875	-.086	.07790	.00730	-.02970	-.04070	-.04820	.08660	-.02900	-.06790	-.07140	-.08130
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH =
 ELV-1B = 15.100
 PT = .000
 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 64/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.212	-.086	.10770	.05260	.02250	.01670	.00630	.13390	.01390	.00180	.00750	-.00920
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 65/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.100	-4.089	.04180	-.00850	-.02710	-.03230	-.03800	.10000	-.02750	-.04140	-.04660	-.05820
-.216	-.083	.08970	.03530	-.00110	-.01090	-.02140	.10490	-.02370	-.03010	-.02320	-.01910
-.294	3.917	.14790	.07210	.02350	.01310	.00100	.12750	.00350	-.01670	-.01330	-.01330
	GRADIENT	.01325	.01007	.00632	.00567	.00487	.00343	.00387	.00309	.00416	.00561

ARC87-044 1A82 OTS SRB-OFF MPS-NOM

(AE5022) (22 JAN 76)

DATE 04 FEB '75

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM

(AE5022) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 66/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.785	-.086	.07680	.00860	-.02890	-.04050	-.04800	.10170	-.02140	-.04800	-.05090	-.05610
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(AE5023) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 67/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.200	-.086	.11650	.05470	.02290	.01650	.00730	.12380	.00650	-.00210	.00420	-.00910
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 68/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.266	-4.083	.05330	-.00680	-.02770	-.03350	-.03870	.10480	-.00280	-.02710	-.03460	-.03290
-.022	-.086	.09690	.03260	-.00440	-.01490	-.02640	.11060	.00830	-.01820	-.01300	-.01530
-.247	3.914	.15660	.07340	.02370	.01330	.00060	.10410	-.00620	-.02710	-.02130	-.02010
	GRADIENT	.01292	.01003	.00643	.00585	.00491	-.00009	-.00043	-.00000	.00166	.00160

RUN NO. 69/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.728	-.086	.08570	.00760	-.02940	-.04040	-.04790	.09200	-.01400	-.03770	-.03770	-.03830
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

(AE5024) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 70/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.087	-4.086	.12400	.05650	.02480	.01900	.00920	.11760	.02280	.00610	.00550	.00490
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.083	-4.083	.06410	-.00410	-.02550	-.03180	-.03820	.07910	-.01740	-.01100	-.01790	-.01790
-1.178	-.089	.10550	.03620	-.00320	-.01240	-.02220	.11320	.01700	-.00150	.00600	.00310
-1.197	3.911	.16580	.07380	.02290	.01310	.00040	.10790	.02650	.00270	.00790	.02420
	GRADIENT	.01272	.00975	.00605	.00562	.00483	.00360	.00549	.00171	.00323	.00527

RUN NO. 72/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.747	-.083	.09230	.00910	-.03010	-.04110	-.04920	.05010	.00910	-.01640	-.01810	-.00540
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(AE5025) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 73/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.134	-.083	.12350	.05600	.02530	.01840	.00860	.13640	.03090	.01080	.02400	.00740
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 74/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-1.104	-4.086	.05950	-.00580	-.02660	-.03350	-.03820	.13550	.03540	-.00490	-.00600	.00320
-1.153	-.086	.10290	.03480	-.00330	-.01250	-.02240	.11240	-.00850	-.01710	-.02580	-.02870
-1.206	3.917	.16110	.07160	.02130	.01210	-.00060	.12560	.03810	.00810	.01680	.02310
	GRADIENT	.01270	.00967	.00599	.00570	.00470	-.00124	.00034	.00162	.00285	.00249

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

RUN NO. 73/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.134	-.083	.12350	.05600	.02530	.01840	.00860	.13640	.03090	.01080	.02400	.00740
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 74/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-1.104	-4.086	.05950	-.00580	-.02660	-.03350	-.03820	.13550	.03540	-.00490	-.00600	.00320
-1.153	-.086	.10290	.03480	-.00330	-.01250	-.02240	.11240	-.00850	-.01710	-.02580	-.02870
-1.206	3.917	.16110	.07160	.02130	.01210	-.00060	.12560	.03810	.00810	.01680	.02310
	GRADIENT	.01270	.00967	.00599	.00570	.00470	-.00124	.00034	.00162	.00285	.00249

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(AE5025) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 75/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.825	-.083	.09140	.00990	-.03000	-.04160	-.04910	.10410	.00100	-.02730	-.02730	-.02040
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 76/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.156	-.083	.11180	.03400	.00450	-.00450	-.01180	.06920	-.00760	-.02410	-.01990	-.02240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 10.700
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 77/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.182	-4.089	.04800	-.02420	-.04790	-.05450	-.05940	.05730	-.00240	-.01880	-.01310	-.00080
-.006	-.092	.08690	.00580	-.02790	-.03930	-.04670	.04850	-.04020	-.03450	-.02130	-.02710
-.163	3.911	.14910	.05180	.00110	-.00870	-.01930	.07600	.04000	.04490	.06370	.06940
	GRADIENT	.01264	.00950	.00613	.00573	.00501	.00234	.00530	.00797	.00960	.00878

MACH = 3.500 PT = 10.700
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 78/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.805	-.083	.08060	-.01210	-.05310	-.06390	-.06870	.04310	-.02680	-.01520	-.01360	-.01520
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 10.700
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

(AE5027) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500
 ELV-18 = .000

PT = 6.700
 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 79/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.209	-.083	.09320	.02650	-.00350	-.00750	-.01400	.16180	-.00840	-.02410	-.02670	-.05420
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 80/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.154	-4.089	.00950	-.04450	-.06820	-.07340	-.07870	.17060	-.00160	-.04370	-.06990	-.07520
-.240	-.086	.06460	-.01050	-.04210	-.05140	-.05400	.15160	-.01610	-.05540	-.06850	-.08430
-.256	3.917	.12110	.04270	-.00300	-.01350	-.02390	.15000	-.01430	-.05250	-.06430	-.06170
	GRADIENT	.01394	.01089	.00814	.00748	.00684	-.00257	-.00159	-.00110	.00070	.00169

RUN NO. 81/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.694	-.083	.04550	-.02700	-.06520	-.07710	-.08360	.13610	-.02560	-.07290	-.07820	-.08740
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-NOM+++

(AE5028) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500
 ELV-18 = .000

PT = 6.700
 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 82/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.159	-.083	.09430	.02200	-.00690	-.01210	-.02000	.15800	-.00150	-.03970	-.03450	-.05160
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 83/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.147	-4.083	.01170	-.04360	-.06600	-.07520	-.07650	.12950	-.02970	-.07180	-.07320	-.08240
-.181	-.089	.07220	-.00260	-.03420	-.04340	-.04860	.15000	-.01270	-.05340	-.06250	-.08350
-.300	3.917	.11810	.03810	-.01040	-.01830	-.02610	.15100	-.00810	-.04750	-.05810	-.05670
	GRADIENT	.01330	.01021	.00695	.00711	.00630	.00269	.00270	.00304	.00189	.00321

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM+++

(AE5028) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 975.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 6.700
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 84/ 0		RN/L = .79		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	3.731	BETA	-.083	GRADIENT	
CP151	-.05180	CP152	-.02450	CP153	-.06130
CP154	-.07580	CP155	-.08370	CP156	.13260
CP157	-.03070	CP158	-.06750	CP159	-.07680
CP160	-.09120	CP161	-.00000	CP162	-.00000

ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

(AE5029) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 6.700
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 85/ 0		RN/L = .79		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	-4.184	BETA	-.083	GRADIENT	
CP151	.11280	CP152	.01920	CP153	-.01110
CP154	-.01770	CP155	-.02290	CP156	.16260
CP157	.03810	CP158	.01030	CP159	.00900
CP160	.01170	CP161	.00000	CP162	.00000

RUN NO. 86/ 0		RN/L = .79		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	-.060	BETA	-4.089	GRADIENT	
CP151	.04450	CP152	-.03290	CP153	-.05920
CP154	-.00110	CP155	-.03260	CP156	.16330
CP157	.03760	CP158	.00750	CP159	-.00040
CP160	.02190	CP161	.00540	CP162	.00530

RUN NO. 87/ 0		RN/L = .79		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	3.850	BETA	-.083	GRADIENT	
CP151	.07650	CP152	-.01650	CP153	-.04530
CP154	-.03610	CP155	-.03740	CP156	.18270
CP157	.06240	CP158	.02840	CP159	.02320
CP160	.01930	CP161	.00000	CP162	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5030) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 88/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.963	-0.039	.12990	.02580	-.01370	-.02050	-.02300	.01150	-.01110	.00680	.01150	-.00410
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-18 = 4.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 89/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.057	-4.045	.07130	-.02160	-.06010	-.06900	-.06930	-.02930	-.05370	-.04360	-.03300	-.04970
.137	-.042	.13840	.00210	-.04620	-.05260	-.06020	-.02590	-.04700	-.04440	-.03490	-.04500
.244	3.961	.25660	.03960	-.02040	-.02270	-.03390	-.00070	-.02710	-.02150	-.00330	-.01110
	GRADIENT	.02314	.00754	.00496	.00578	.00442	.00357	.00332	.00276	.00371	.00482

RUN NO. 90/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.103	-.042	.13320	-.02280	-.07640	-.07670	-.08400	-.04480	-.05570	.05780	-.05970	-.06390
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5031) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 91/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.850	-.042	.14360	.02630	-.01390	-.02110	-.02380	.00580	-.00850	.00360	.00880	-.00600
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-18 = 4.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 92/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.012	-4.045	.08640	-.02150	-.05950	-.06990	-.06890	-.03090	-.03140	-.03720	-.03120	-.04000
.122	-.042	.15070	.00320	-.04460	-.05120	-.05860	-.02420	-.01510	-.02860	-.02370	-.02560
.013	3.958	.26750	.04020	-.01920	-.02170	-.03220	-.00510	-.02360	-.02160	-.00290	-.00790
	GRADIENT	.02263	.00771	.00504	.00590	.00459	.00322	.00098	.00195	.00354	.00401

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5031) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 93/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.097	.042	.14510	-.02050	-.07410	-.07440	-.08150	-.04800	-.04220	-.05480	-.05350	-.04800
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5032) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 94/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.791	.011	.09830	.04510	.00970	.00210	-.00700	.04460	-.02760	-.00330	.01720	.00240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 95/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.169	-3.992	.02500	-.00770	-.03630	-.04500	-.05070	.02290	-.03420	-.03830	-.03070	-.04330
.044	.011	.07380	.02260	-.01850	-.02530	-.03780	.02300	-.04040	-.04530	-.03010	-.03920
-.006	4.011	.16190	.05830	.00620	.00130	-.01280	.03520	-.02030	-.02860	-.00930	-.02290
	GRADIENT	.01711	.00825	.00531	.00579	.00474	.00154	.00174	.00121	.00267	.00255

MACH = 3.000 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 96/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.062	.014	.03360	-.00460	-.04980	-.05900	-.06920	.00210	-.05770	-.06800	-.06310	-.05920
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

PARAMETRIC DATA

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5033) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 97/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.007	.014	.12020	.04910	.01220	.00460	-.00420	.03370	-.00020	.00620	.02270	.01430
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-18 = 4.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 98/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.050	-3.989	.04770	-.00330	-.03330	-.04210	-.04810	.01420	-.02450	-.03100	-.02300	-.02260
.137	.008	.09630	.02400	-.01900	-.02580	-.03800	.01340	-.01860	-.03160	-.03120	-.02170
.097	4.011	.17930	.05750	.00420	-.00080	-.01530	.03340	-.01230	-.02940	-.01490	-.01340
	GRADIENT	.01645	.00760	.00469	.00516	.00410	.00240	.00153	.00020	.00101	.00115

RUN NO. 99/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.053	.011	.10860	-.00210	-.04890	-.05720	-.06790	.00480	-.02210	-.03690	-.03280	-.01790
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5034) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 100/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.109	-.086	.09520	.04810	.01900	.01200	.00220	.11780	-.00600	-.00830	-.00080	-.01530
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-18 = 4.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 101/ 0 RN/L = 1.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.260	-4.083	.02860	-.01330	-.03070	-.03540	-.04120	.10680	-.02280	-.04320	-.04840	-.05540
-.103	-.086	.07510	.02920	-.00630	-.01680	-.02660	.10540	-.01960	-.02950	-.02780	-.03820
-.247	3.917	.13410	.06610	.01840	.00850	-.00430	.11240	-.00220	-.02890	-.02250	-.02430
	GRADIENT	.01319	.00392	.00614	.00549	.00461	.00070	.00258	.00179	.00324	.00389

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5034) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	3.500	PT	=	15.100
ELV-18	=	4.000	ELV-08	=	.000

PARAMETRIC DATA

RUN NO. 102/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5035) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=					.0100		

MACH	=	3.500	PT	=	15.100
ELV-18	=	4.000	ELV-08	=	.000

PARAMETRIC DATA

RUN NO.	103/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

RUN NO. 104/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.063	-4.086	.05650	-.00910	-.02940	-.03640	-.04100	.09640	.00630	-.01930	-.01470	-.01470
-.184	-.089	.10270	.03300	-.00530	-.01630	.02730	.11270	.00070	-.01960	-.01140	-.01320
-.100	3.914	.15960	.06950	.01900	.00790	-.00490	.11750	.03970	.00600	.01470	.02810
	GRADIENT	.01289	.00982	.00605	.00554	.00451	.00264	.00418	.00316	.00368	.00535

RUN NO. 105/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5036) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-IB = 4.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 106/ 0 RN/L = 2.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.669	-0.042	.13150	.02590	-.01340	-.02060	-.02280	.00140	-.01930	-.00110	.00480	-.01490
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 107/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.141	-4.045	.07340	-.02000	-.05840	-.06780	-.02720	-.05050	-.04120	-.04120	-.02970	-.04720
.194	-.039	.14350	.00280	-.04520	-.05920	-.02540	-.04220	-.04270	-.04270	-.03280	-.04630
.057	3.961	.25920	.04060	-.01900	-.02120	-.00520	-.03320	-.02770	-.02770	-.00650	-.01590
	GRADIENT	.02321	.00757	.00492	.00586	.00455	.00275	.00216	.00169	.00290	.00391

RUN NO. 108/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.231	-.039	.13740	-.02220	-.07620	-.07670	-.04960	.00000	-.06250	-.07060	-.06150	-.06420
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5037) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-IB = 4.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 109/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.900	-.039	.14520	.02680	-.01310	-.02030	-.02250	.01120	-.00140	.00980	.01400	.00130
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 110/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.050	-4.042	.08600	-.02150	-.05990	-.06930	-.03060	-.02950	-.03770	-.03770	-.03250	-.03960
-.050	-.042	.15460	.00290	-.04520	-.05150	-.02630	-.02000	-.02960	-.02960	-.02500	-.02660
.100	3.958	.26710	.03980	-.01940	-.02190	-.03200	-.02310	-.02120	-.02120	-.00190	-.00660
	GRADIENT	-.02264	-.00766	.00506	.00592	.00462	.00317	.00080	.00206	.00383	.00412

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5037) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-18 = 4.000 ELV-08 = -4.000

PARAMETRIC DATA

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.044	-.042	.00000	.00000	-.0180	-.07650	-.08370	-.05060	-.04260	-.05620	-.05420	-.05010
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 111/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-18 = 4.000 ELV-08 = -4.000

PARAMETRIC DATA

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.763	.011	.09590	.04370	.00750	-.00010	-.00930	.03950	-.02370	-.00430	.01670	.00070
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 112/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.003	-3.986	.02590	-.00760	-.03540	-.04420	-.05030	.01750	-.04950	-.04190	-.03240	-.04650
.187	.011	.07110	.01970	-.02150	-.02830	-.04010	.02090	-.04040	-.04230	-.03090	-.04270
-.063	4.014	.16090	.05700	.00400	-.09060	-.01500	.03140	-.02300	-.03070	-.01470	-.02040
	GRADIENT	.01688	.00808	.00493	.00545	.00441	.00174	.00331	.00140	.00221	.00326

RUN NO. 113/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.978	.008	.08570	-.00300	-.04860	-.05740	-.06810	.00760	-.05070	-.06400	-.05710	-.06250
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 114/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5039) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 115/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA

BETA

CP151

.11810

CP152

.04700

CP153

.00970

CP154

.00250

CP155

.00660

CP156

.03510

CP157

-.00290

CP158

.00550

CP159

.02260

CP160

.01500

.00000

ALPHA

BETA

CP151

.04770

CP152

-.00270

CP153

-.03350

CP154

-.04220

CP155

-.04790

CP156

.01250

CP157

-.02920

CP158

-.03190

CP159

-.02240

CP160

-.03080

-.02260

ALPHA

BETA

CP151

.11050

CP152

.00080

CP153

-.04630

CP154

-.05460

CP155

-.06490

CP156

.00260

CP157

-.02620

CP158

-.03800

CP159

-.03570

CP160

-.02090

.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 118/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA

BETA

CP151

.09880

CP152

.05220

CP153

.02370

CP154

.01790

CP155

.00860

CP156

.12880

CP157

.00970

CP158

.00500

CP159

.00560

CP160

-.00550

.00000

ALPHA

BETA

CP151

.02990

CP152

-.01260

CP153

-.02940

CP154

-.03470

CP155

-.04110

CP156

.11060

CP157

-.01910

CP158

-.03480

CP159

-.03770

CP160

-.04810

-.03600

ALPHA

BETA

CP151

.13890

CP152

.07150

CP153

.02330

CP154

.01400

CP155

.00000

CP156

.12000

CP157

.00260

CP158

.00177

CP159

.00279

CP160

.00387

.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5040) (22 JAN 76)

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-13 = 4.000 ELV-08 = -4.000

RUN NO. 119/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA

BETA

CP151

.09880

CP152

.05220

CP153

.02370

CP154

.01790

CP155

.00860

CP156

.12880

CP157

.00970

CP158

.00500

CP159

.00560

CP160

-.00550

.00000

ALPHA

BETA

CP151

.02990

CP152

-.01260

CP153

-.02940

CP154

-.03470

CP155

-.04110

CP156

.11060

CP157

-.01910

CP158

-.03480

CP159

-.03770

CP160

-.04810

-.03600

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5040) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-OB = -4.000

RUN NO. 120/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.822		.06410	.00420	-.03190	-.04170	-.05050	.09780	-.02820	-.05620	-.05850	
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5041) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-OB = -4.000

RUN NO. 121/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.112		.12110	.05430	.02290	.01540	.00610	.11610	.01280	-.00230	.00170	
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	

RUN NO. 122/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.204		.05860	-.00570	-.02780	-.03420	-.03940	.10050	.00660	-.00610	-.00490	
-.094		.10390	.03550	-.00400	-.01390	-.02370	.10570	-.00170	-.02030	-.01340	
-.116	GRADIENT	.16370	.07320	.02330	.01290	-.00100	.11320	.02670	.00580	.01270	
		.01314	.00986	.00639	.00589	.00480	.00159	.00251	.00149	.00220	

RUN NO. 123/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.875		.08980	.00730	-.03220	-.04500	-.05260	.08470	-.01840	-.02650	-.03240	
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	

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OF POOR QUALITY

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5042) (22-JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 1290.3000 IN.
BREF = 1290.3000 IN.
SCALE = .0100

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

MACH =
ELV-1B =

2.600 PT = 15.100
10.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 124/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.800	-4.046	.13080	.02660	-.01220	-.01950	-.02170	.00950	-.01380	.00310	.01040	-.00480
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 125/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.478	-4.042	.07250	-.01770	-.05510	-.06500	-.02400	-.04960	-.03530	-.02710	-.02840	-.04280
.141	-.042	.14120	.00260	-.04510	-.05190	-.02140	-.03790	-.03900	-.02840	-.02840	-.03790
.888	3.961	.25310	.03610	-.02550	-.02580	-.00920	-.03700	-.03230	-.00980	-.00980	-.01850
	GRADIENT	.02257	.00672	.00370	.00490	.00357	.00185	.00157	.00038	.00216	.00304

RUN NO. 126/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.116	-.042	.12550	-.02550	-.07860	-.08170	-.08960	-.04680	-.05600	-.06560	-.06020	-.06330
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5043) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 1290.3000 IN.
BREF = 1290.3000 IN.
SCALE = .0100

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

MACH =
ELV-1B =

2.600 PT = 15.100
10.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 127/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.728	-.042	.15820	.03280	-.00930	-.01510	-.01930	.00560	-.01220	-.00050	.00920	-.00280
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 128/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.490	-4.042	.03550	-.01860	-.05630	-.06630	-.02370	-.02480	-.03030	-.02780	-.02200	-.03030
.194	-.042	.15200	.00220	-.04490	-.05150	-.02730	-.02030	-.02920	-.02890	-.02340	-.02920
.860	3.961	.26350	.03580	-.02470	-.02440	-.01210	-.03320	-.03270	-.03270	-.01350	-.01850
	GRADIENT	.02224	.00680	.00395	.00524	.00386	.00145	-.00105	-.00061	.00106	.00147

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TABULATED SOURCE DATA - IAB2C

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ARC87-044 I A82 OTS SRB-NOM MPS-NOM

(AE5043) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO. FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH
ELV-18

2.600	PT	=	15.100
10.000	ELV-OB	=	-4.000

PARAMETRIC DATA

RUN NO.	129/ 0	RN/L =	2.59	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5044) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH
ELV-1B

3.000	PT	=	15.100
10.000	ELV-OB	=	-4.000

PARAMETRIC DATA

RUN NO.	130/ 0	RN/L = 2.07	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

RUN NO.	131/ 0.	RN/L =	2.06	GRADIENT INTERVAL =	-5.00/ 5.00
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ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.638	-3.992	.02680	-.00400	-.03080	-.03940	-.04410	.02490	-.04390	-.03030	-.02450	-.04000
.081	.011	.06900	.01920	-.02010	-.02680	-.03300	.02200	-.04150	-.04660	-.03250	-.04190
GRADIENT		.01054	.00580	.00267	.00315	.00152	.00072	.00050	-.00407	-.00200	-.00047

RUN NO.	132/ 0	RN/L =	2.06	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5045)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 133/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.966	.014	.13520	.05580	.01440	.00790	-.00460	.03320	-.00670	-.00600	.01420	.00580
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 134/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.619	-3.986	.04670	-.00110	-.02960	-.03870	-.04320	.01670	-.02160	-.02160	-.01820	-.01820
.225	.011	.09330	.02180	-.02000	-.02680	-.03900	.00920	-.02880	-.03720	-.03150	-.02810
.753	4.011	.17550	.05130	-.00150	-.00640	-.02080	.02390	-.02100	-.03430	-.02020	-.02030
GRADIENT		.01611	.00655	.00351	.00404	.00280	.00090	.00008	-.00159	-.00025	-.00030

RUN NO. 135/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.137	.011	.10170	-.00350	-.04910	-.05820	-.06850	-.00050	-.03060	-.04160	-.03740	-.03440
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5046)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 136/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.256	-.086	.11220	.05920	.02890	.02290	.01110	.12440	-.00320	-.01460	-.00140	-.01580
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 137/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.778	-4.083	.03030	-.00890	-.02500	-.03030	-.03570	.11450	-.01440	-.03280	-.03690	-.03930
-.147	-.086	.07610	.02670	-.00600	-.01550	-.02500	.11250	-.01840	-.02550	-.02610	-.03740
.540	3.917	.12920	.06020	.01380	.00300	-.00990	.12300	.00420	-.01720	-.02080	-.02020
GRADIENT		.01236	.00864	.00485	.00416	.00335	.00105	.00233	.00195	.00201	.00239

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AES046) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	3.500	PT	=	15.100
ELV-IB	=	10.000	ELV-OB	=	-4.000

PARAMETRIC DATA

[illegible]

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5047) (22 JAN 76)

REFERENCE DATA

SREF	#	2650.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	#	120.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	#	120.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	3.500	PT	=	15.100
ELV-1B	=	10.000	ELV-08	=	-4.000

PARAMETRIC DATA

[illegible]

	BETA	ALPHA	RUN NO.	140/ 0	RN/L =	1.64	GRADIENT INTERVAL =	-5.00/	5.00
			CP151	CP152	CP153	CP154	CP155	CP156	CP157
			.05680	-.00380	-.02340	-.02910	-.03490	.10070	.00130
			.10160	.03000	-.00580	-.01610	-.02540	.10610	.00050
			.15830	.06490	.00470	.00370	-.00720	.11170	.02050
			.01470	.00859	.00476	.00410	-.00346	.00138	.00240
			.01269	.00859	.00476	.00410	-.00346	.00138	.00240
			GRADIENT						
			3.914						
			-.062						
			-.635						
			ALPHA						

[illegible]

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5048) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

2.600 PT = 15.100
 8.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 142/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.859	-4.039	.08650	-.00010	-.02800	-.03590	-.03360	.00480	-.01400	.00420	.01300	-.00360
-3.859	-.042	.14440	.03260	-.01060	-.01700	-.01990	.01150	-.01470	.00170	.01460	-.00230
-3.928	3.958	.29140	.07630	.01880	.01400	.00250	.03120	.01320	.02030	.03940	.02620
	GRADIENT	.02562	.00955	.00585	.00624	.00451	.00330	.00340	.00201	.00330	.00373

RUN NO. 143/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-7.25	-4.042	.07250	-.01790	-.05510	-.06530	-.06360	-.02470	-.05100	-.03630	-.02670	-.04280
-.006	-.042	.14340	.00350	-.04410	-.05030	-.05820	-.02640	-.04390	-.04330	-.03370	-.04640
.635	3.970	.25760	.03770	-.02180	-.02040	-.03110	-.01240	-.03810	-.03500	-.01530	-.02990
	GRADIENT	.02310	.00694	.00416	.00560	.00406	.00154	.00161	.00016	.00142	.00249

RUN NO. 144/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.194	-4.055	.04090	-.04750	-.09010	-.10030	-.10030	-.04410	-.06830	-.07170	-.08210	-.07700
4.063	-.046	.12820	-.02590	-.07950	-.08200	-.08940	-.04510	-.05490	-.06530	-.05850	-.06280
4.110	3.954	.22000	.00630	-.04480	-.03550	-.04620	-.03180	-.05160	-.06200	-.04620	-.04990
	GRADIENT	.02236	.00672	.00565	.00809	.00675	.00154	.00209	.00121	.00198	.00338

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5049) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

2.600 PT = 15.100
 8.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 145/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.875	-4.049	.09680	-.00170	-.02880	-.03590	-.03370	.00090	-.00740	.00590	.01380	-.00380
-3.741	-.042	.15650	.03170	-.01070	-.01710	-.02040	.00860	-.00660	.00390	.01390	.00230
-3.909	3.961	.30510	.07610	.01880	.01460	.00340	.03450	.01980	.02170	.04010	.02840
	GRADIENT	.02601	.00971	.00594	.00630	.00463	.00419	.00340	.00197	.00328	.00402

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TABULATED SOURCE DATA -- 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5049) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. -- XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 8.000 ELV-08 = -4.000

RUN NO. 146/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-781	-4.042	.08480	-.01940	-.05580	-.05540	-.06320	-.02390	-.02830	-.02830	-.02280	-.03350
.044	-.046	.15050	.00190	-.04600	-.05240	-.05980	-.02340	-.02860	-.02860	-.02040	-.02720
.522	3.958	.25810	.03310	-.02600	-.02510	-.03540	-.01450	-.03180	-.03100	-.01230	-.01780
GRADIENT		.02166	.00656	.00373	.00504	.00348	.00118	-.00044	-.00034	.00131	.00196

RUN NO. 147/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.082	-4.045	.05520	-.04730	-.08830	-.09850	-.09830	-.05020	-.05630	-.06780	-.06430	-.06230
4.034	-.046	.13890	-.02530	-.07870	-.08090	-.08830	-.04650	-.04100	-.05690	-.05390	-.05170
4.100	3.961	.22690	.00500	-.04620	-.03550	-.04600	-.02490	-.04190	-.05400	-.03720	-.04000
GRADIENT		.02145	.00653	.00526	.00787	.00653	.00316	.00180	.00172	.00339	.00279

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5050) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. -- XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-08 = -4.000

RUN NO. 148/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.960	-3.986	.04600	.01510	-.00770	-.01680	-.01760	.03620	-.02350	-.00370	-.00030	-.01280
-4.050	-1.995	.07950	.03580	.00690	-.00140	-.00710	.04170	-.02080	.00540	.01560	-.00220
-3.903	.008	.11010	.05180	.01220	.00580	-.00600	.04030	-.01980	-.01070	.01520	-.00080
-3.822	2.014	.15410	.07540	.02900	.02400	.00960	.04530	-.00450	-.00420	.00990	.00150
-3.875	4.017	.19810	.09600	.04310	.03770	.02170	.05820	.01610	.01840	.03580	.02410
GRADIENT		.01893	.01006	.00618	.00671	.00476	.00238	.00477	.00173	.00332	.00387

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5050) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.000 PT = 15.100
 8.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO.	149/ 0	RN/L = 2.07	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	CP151	CP152	CP153
BETA	CP154	CP155	CP156
-3.666	-.02540	-.00500	-.04580
-4.022	.05090	.00910	-.03890
-4.078	.06930	.01900	-.03890
.072	.11170	.03720	-.02970
.467	.15320	.05010	-.02070
	.01581	.00691	.00297
			.00408
			.00304
			.00088
			.00095

RUN NO.	150/ 0	RN/L = 2.07	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	CP151	CP152	CP153
BETA	CP154	CP155	CP156
-3.992	-.02830	-.07090	-.00850
-1.989	-.01490	-.06280	.00260
.011	-.00590	-.05910	.00490
2.011	.00700	-.04930	.01730
4.014	.02680	-.03560	.02740
4.016	.01611	.00420	.00377
			.00294

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5051) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.000 PT = 15.100
 8.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO.	151/ 0	RN/L = 2.06	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	CP151	CP152	CP153
BETA	CP154	CP155	CP156
-3.888	-.06720	-.01570	-.01850
-3.950	.09660	.03460	.02980
-3.910	.13240	.05440	.03460
-3.922	.17000	.07290	.04080
-3.997	.21410	.09770	.05390
	.01837	.01012	.00290
			.00482
			.00256

CP157
 CP158
 CP159
 CP160

-.04820
 -.03530
 -.02770
 -.03830

-.04440
 -.04760
 -.03550
 -.04840

-.04250
 -.03820
 -.02220
 -.02600

-.00020
 -.00005
 -.00005
 -.00130

CP157
 CP158
 CP159
 CP160

-.05670
 -.06360
 -.05400
 -.04180

-.05250
 -.04790
 -.03630
 -.03930

-.00230
 -.00331
 -.00461
 -.00461

CP157
 CP158
 CP159
 CP160

-.00030
 -.00940
 -.00500
 -.00430

-.01900
 -.00259
 -.00212
 -.00212

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5051) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 152/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-903	-3.989	.04780	-.00050	-.02940	-.03820	-.04390	.01880	-.02250	-.02060	-.01610	-.01950
-566	-1.995	.06830	-.00900	-.02560	-.03140	-.04090	.01440	-.03150	-.03270	-.01830	-.02660
-119	.011	.09510	.02350	-.01950	-.02600	-.03820	.00870	-.03210	-.04080	-.03700	-.03400
.131	2.014	.13330	.03740	-.01210	-.01740	-.03190	.01620	-.01730	-.02830	-.02260	-.01770
.387	4.008	.17880	.05250	-.00080	-.00580	-.03190	.02400	-.02040	-.03260	-.01850	-.01970
	GRADIENT	.01635	.00672	.00353	.00394	.00293	.00061	.00092	-.00098	-.00046	.00043

RUN NO. 153/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.972	-3.989	.05270	-.02680	-.06260	-.07170	-.07740	.00260	-.04300	-.04760	-.04790	-.04190
4.009	-1.992	.07630	-.01500	-.05570	-.06560	-.07440	-.00610	-.04300	-.05410	-.05600	-.04380
4.006	.005	.10180	-.00510	-.05150	-.06030	-.07090	.00180	-.02560	-.03770	-.04040	-.03170
4.065	2.014	.12930	.00540	-.04410	-.05320	-.06390	.00140	-.03850	-.05260	-.04420	-.03590
4.072	4.011	.17860	.02330	-.03080	-.03870	-.04940	.01780	-.02900	-.04390	-.03090	-.02330
	GRADIENT	.01525	.00603	.00376	.00392	.00332	.00189	.00135	.00045	.00229	.00225

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 154/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.213	-4.083	.04440	.01130	-.00320	-.00560	-.01190	.12320	.00150	-.00900	-.00380	-.01190
-4.197	-2.083	.07380	.03550	.01170	.00640	-.00170	.10660	-.01090	-.02310	-.02080	-.03070
-4.181	-.083	.11050	.05600	.02810	.02170	.00950	.11750	-.00560	-.00490	.00020	-.01490
-4.262	1.914	.13850	.09090	.04790	.03740	.02350	.13040	.00390	-.00600	.01780	.00510
-4.225	3.914	.18170	.11050	.06210	.05570	.03880	.13070	.01470	-.00040	.02400	.01470
	GRADIENT	.01697	.01274	.00834	.00768	.00633	.00194	.00206	.00172	.00471	.00445

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5052)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 155/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-1.066	-4.086	.03650	-.00420	-.02040	-.02510	-.03030	.11270	-.01350	-.03200	-.03490	-.04300
-.750	-2.089	.05660	.00950	-.01250	-.01830	-.02650	.10940	-.02240	-.03350	-.03460	-.04740
-.372	-.089	.08080	.03500	-.00040	-.01030	-.01900	.10660	-.02510	-.03380	-.03260	-.04480
-.109	1.914	.10450	.04810	.00750	-.00240	-.01570	.12060	-.00340	-.03300	-.03190	-.03710
.215	3.917	.13530	.06450	.01740	.00700	-.00640	.11610	-.00050	-.02890	-.02540	-.02370
	GRADIENT	.01227	.00880	.00478	.00400	.00293	.00090	.00225	.00034	.00108	.00245

RUN NO. 156/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.837	-4.083	.01200	-.03160	-.05080	-.05720	-.06300	.10500	-.02600	-.04860	-.05500	-.07010
3.759	-2.089	.03460	-.02000	-.04440	-.05080	-.05780	.09730	-.03630	-.05840	-.06420	-.07640
3.697	-.086	.05750	-.00050	-.03490	-.04420	-.05290	.10050	-.02540	-.05150	-.05440	-.06140
3.781	1.914	.06000	.01500	-.02390	-.03550	-.04310	.09950	-.02480	-.05610	-.05840	-.06080
3.706	3.911	.10940	.03100	-.01310	-.02530	-.03400	.10670	-.01810	-.04650	-.04360	-.04190
	GRADIENT	.01202	.00801	.00480	.00396	.00364	.00028	.00137	.00033	.00143	.00350

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5053)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 157/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.282	-4.092	.06990	.01650	-.00200	-.00610	-.01130	.10790	.01700	.00370	-.00090	.00830
-4.166	-2.089	.09640	.03910	.01300	.00660	-.00090	.11330	.01430	-.00190	-.00250	.00560
-4.150	-.089	.13570	.05860	.02670	.02030	.00930	.10900	.00910	-.00420	.00280	-.00300
-4.294	1.914	.16070	.09350	.04830	.03840	.02400	.12110	.02440	.01050	.02560	.02850
-4.169	3.917	.20070	.11210	.06110	.05360	.03850	.12930	.03260	.00830	.02850	.03090
	GRADIENT	.01628	.01227	.00807	.00755	.00622	.00253	.00206	.00108	.00434	.00340

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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(AE5053) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 158/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
- .979	-4.089	.06220	-.00090	-.02060	-.02700	-.03220	.10080	.00760	-.00740	-.00330	-.00910
- .775	-2.083	.08130	.01300	-.01310	-.01950	-.02640	.10710	.00500	-.01180	-.01180	-.00950
- .356	-.086	.10590	.03500	-.00320	-.01360	-.02350	.10790	.01010	-.01240	-.00490	-.00950
-.047	1.911	.13060	.05060	.00600	-.00440	-.01600	.10360	.01890	.01140	.01660	.01370
.418	3.917	.16170	.06550	.01450	.00460	-.00750	.11940	.04320	.01490	.02010	.03100
	GRADIENT	.01241	.00852	.00446	.00391	.00299	.00169	.00425	.00339	.00376	.00517

RUN NO. 159/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.722	-4.092	.05030	-.02090	-.04520	-.05280	-.05740	.10060	.01030	-.00420	-.00420	.01260
3.750	-2.092	.06990	-.01300	-.04140	-.04900	-.05590	.09800	.00130	-.01490	-.01780	-.00100
3.725	-.083	.08970	.00570	-.03080	-.04240	-.04930	.09400	-.01230	-.03490	-.03670	-.02100
3.791	1.908	.10720	.01740	-.02550	-.03770	-.04520	.10150	.02110	-.01470	-.00030	.01300
3.756	3.914	.13760	.03390	-.01250	-.02470	-.03450	.10920	.00630	-.01160	-.00520	.01270
	GRADIENT	.01059	.00700	.00406	.00337	.00282	.00103	.00059	-.00073	.00077	.00070

ARC87-044 1A82 OTS SRB-OFF MFS-OFF

(AE5054) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

RUN NO. 160/ 0 RN/L = 2.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.766	-.042	.15220	.03180	-.01120	-.01700	-.01980	.01140	-.01290	.00390	.01520	.00010
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 161/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.562	-4.042	.07560	-.01900	-.05470	-.06440	-.06270	.02460	-.04990	-.03560	-.02700	-.04520
.144	-.042	.15020	.00250	-.04560	-.05190	-.05990	-.02810	-.04330	-.04250	-.03310	-.04270
.653	3.958	.26290	.03790	-.02230	-.02060	-.03080	-.01280	-.03480	-.03120	-.00890	-.01750
	GRADIENT	.02341	.00699	.00405	.00548	.00399	.00147	.00189	.00055	.00226	.00346

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5054) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 162/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.100	-.039	.12940	-.02740	-.07960	-.08210	-.08950	-.04480	-.05110	-.06490	-.05690	-.06190
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-IB = 8.000 ELV-OB = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5055) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 163/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.819	-.039	.16350	.03450	-.00790	-.01460	-.01730	.01590	-.00030	.01100	.02410	.00820
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-IB = 8.000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 164/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.587	-4.045	.08970	-.01710	-.05350	-.06340	-.06200	-.02300	-.02410	-.02770	-.02190	-.03180
-.103	-.042	.15940	.00440	-.04270	-.04900	-.05620	-.02280	-.01930	-.02890	-.02200	-.02780
.666	3.958	.26850	.03550	-.02210	-.02100	-.03190	-.01270	-.03030	-.02950	-.00800	-.01380
	GRADIENT	.02234	.00657	.00392	.00530	.00377	.00129	-.00077	-.00022	.00174	.00225

RUN NO. 165/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.981	-.039	.14080	-.02690	-.07990	-.08210	-.08990	-.04970	-.04060	-.05630	-.05410	-.05240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5057) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	975.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO. 171/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

PARAMETRIC DATA

MACH	=	3.000	PT	=	15.100
ELV-IB	=	8.000	ELV-OB	=	.000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5058) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
BREF	=	1290.3000	IN.	YMRP	=	0000.	IN.	YT
LREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	172/ 0	RN/L =	1.65	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

PARAMETRIC DATA

MACH	=	3.500	PT	=	15.100
ELV-1B	=	8.000	ELV-0B	=	.000

RUN NO.	173/ 0	RN/L =	1.65	GRADIENT	INTERVAL =	-5.00/	5.00
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ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-9.13	-4.083	.0330	-.00630	-.02380	-.02840	-.03430	.11590	-.01180	-.03040	-.03680	-.04200
-.347	-.089	.07900	.03300	-.00130	-.01010	-.02110	.11090	-.02120	-.03000	-.03640	-.04200
.209	3.914	.13630	.06530	.01690	.00760	-.00400	.11500	-.00530	-.02860	-.02330	-.02680
	GRADIENT	.01288	.00895	.00509	.00450	.00379	-.00011	.00081	-.00023	.00169	.00190

RUN NO:	174/ 0	RN/L =	1.64	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]

CP157	CP158	CP159	CP160
-.02740	-.05360	-.05300	-.05880
.00000	.00000	.00000	.00000

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5056) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 166/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.978	.014	.11010	.05170	.01230	.00620	-.00640	.04040	-.01830	-.00950	.01370	-.00150
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 167/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.638	-3.992	.02920	-.00250	-.03000	-.03980	-.04340	.01950	-.04680	-.03190	-.02740	-.04300
.022	.011	.07420	.02140	-.01950	-.02590	-.03820	.02040	-.04140	-.04710	-.03830	-.04710
.578	4.014	.15930	.05110	-.00130	-.00590	-.02040	.03070	-.02340	-.03520	-.02040	-.02500
	GRADIENT	.01625	.00669	.00358	.00411	.00287	.00140	.00292	-.00041	.00087	.00225

RUN NO. 168/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.997	.014	.07770	-.00900	-.05290	-.06210	-.07170	.00580	-.05260	-.06550	-.05750	-.06550
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 169/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.875	.014	.13160	.05420	.01340	.00550	-.00490	.03760	-.00240	-.00200	.01630	.00710
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 170/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.866	-3.986	.05040	.00120	-.02770	-.03690	-.04110	.01740	-.02330	-.02140	-.01760	-.01950
-.182	.011	.02820	.02820	-.01450	-.02090	-.03350	.01640	-.02160	-.03040	-.02470	-.02240
.597	4.011	.17930	.05270	-.00070	-.00560	-.01970	.02910	-.01690	-.02900	-.01420	-.01500
	GRADIENT	.01612	.00644	.00338	.00391	.00268	.00146	.00080	-.00095	.00043	.00056

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5057) (22 JAN 76)

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5059) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

RUN NO. 175/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.172	-0.083	.13720	.05980	.02660	.01960	.00910	.12070	.02080	.00220	.00630	.00450
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 176/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-1.072	-4.086	.05900	-.00290	-.02330	-.02920	-.03440	.10520	.01040	-.00350	-.00530	-.00760
-.381	-.089	.10350	.03410	-.00560	-.01490	-.02480	.10600	-.00280	-.02090	-.01210	-.01560
.409	3.917	.15930	.06360	.01400	.00350	-.00820	.11140	.02530	.00150	.01020	.02360
	GRADIENT	.01253	.00831	.00466	.00409	.00327	.00077	.00186	.00063	.00194	.00390

RUN NO. 177/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.747	-.086	.08520	.00190	-.03600	-.04590	-.05410	.09220	-.01370	-.03340	-.03520	-.01830
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

RUN NO. 178/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.912	-4.039	.08830	.00010	-.02590	-.03300	-.03080	.00630	-.01160	.00630	.01570	-.00270
-4.016	-.042	.14960	.03440	-.00890	-.01470	-.01800	.01420	-.01020	.00570	.01750	.00110
-3.853	3.964	.30060	.07850	.02080	.01700	.00570	.03270	.01590	.02250	.04120	.02800
	GRADIENT	.02653	.00980	.00584	.00625	.00456	.00330	.00344	.00203	.00319	.00384

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5060) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

RUN NO. 179/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.546	-4.045	.07240	-.01880	-.05460	-.06430	-.06180	-.02500	-.05200	-.04040	-.03070	-.04700
.053	-.036	.14230	.00180	-.04620	-.05290	-.06030	-.02580	-.04200	-.04290	-.03270	-.04200
.669	3.967	.25340	.03510	-.02480	-.02510	-.03530	-.01450	-.03690	-.03330	-.01180	-.02120
	GRADIENT	.02259	.00673	.00372	.00489	.00331	.00131	.00188	.00089	.00236	.00322

RUN NO. 180/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.882	-4.042	.04350	-.04570	-.08740	-.09740	-.09710	-.04630	-.07080	-.07460	-.06440	-.07930
4.034	-.042	.12970	-.02380	-.07710	-.07960	-.08730	-.04680	-.05450	-.06580	-.06000	-.06360
4.154	3.961	.22000	.00670	-.04330	-.03340	-.04410	-.02600	-.04410	-.05410	-.03700	-.04190
	GRADIENT	.02205	.00655	.00551	.00800	.00562	.00254	.00334	.00256	.00342	.00467

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5061) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

RUN NO. 181/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.890	-4.042	.09980	-.00110	-.02760	-.03530	-.03260	.00610	-.00070	.01110	.01610	.00040
-3.900	-.042	.16110	.03380	-.00930	-.01560	-.01860	.01260	-.00290	.00790	.01860	.00370
-3.940	3.958	.30750	.07760	.02070	.01630	.00580	.03340	.01930	.02430	.04330	.03120
	GRADIENT	.02596	.00984	.00604	.00645	.00480	.00341	.00250	.00165	.00340	.00385

RUN NO. 182/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-6.34	-4.039	.08380	-.02040	-.05690	-.06690	-.06490	-.02330	-.02610	-.02690	-.02330	-.03380
-.063	-.039	.15150	.00240	-.04510	-.05170	-.05920	-.02780	-.02260	-.03280	-.02730	-.03110
.788	3.958	.26000	.03350	-.02510	-.02430	-.03510	-.01720	-.03340	-.03290	-.01380	-.02050
	GRADIENT	.02203	.00674	.00398	.00533	.00373	.00076	-.00091	-.00075	.00119	.00166

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5061) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

2.600 PT = 15.100
 10.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 183/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
4.050	-4.045	.05470	-.04790	-.08860	-.09850	-.09880	-.05170	-.05780	-.06880	-.06660	-.06720
4.009	-.042	.13720	-.02600	-.07970	-.08190	-.08960	-.05020	-.04300	-.05850	-.05620	-.05460
4.019	3.954	.22740	.00540	-.04630	-.03550	-.04600	-.03230	-.04690	-.05930	-.04390	-.04440
	GRADIENT	.02159	.00666	.00529	.00787	.00660	.00242	.00136	.00119	.00284	.00285

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5062) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.000 PT = 15.100
 10.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 184/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-3.963	-3.995	.04690	.01640	-.00690	-.01600	-.01680	.03870	-.02060	-.00200	.00300	-.01190
-4.050	.008	.11150	.05350	.01310	.00700	-.00450	.04170	-.01840	-.00850	.01320	-.00050
-4.038	4.014	.20150	.09920	.04610	.04110	.02430	.05840	.01460	.01460	.03250	.02180
	GRADIENT	.01930	.01034	.00662	.00713	.00513	.00246	.00440	.00207	.00368	.00421

RUN NO. 185/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-7.13	-3.989	.02570	-.00600	-.03270	-.04150	-.04610	.02030	-.04640	-.03380	-.02500	-.04070
-.091	.011	.06880	.01840	-.02100	-.02710	-.03930	.02080	-.04120	-.04540	-.03320	-.04420
.581	4.014	.15320	.05050	-.00250	-.00710	-.02120	.03340	-.02170	-.03540	-.02100	-.02400
	GRADIENT	.01593	.00706	.00377	.00430	.00311	.00164	.00309	-.00020	.00050	.00209

RUN NO. 186/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.887	-3.986	.03190	-.02690	-.06090	-.06930	-.07540	.00630	-.05880	-.06570	-.05920	-.07480
3.825	.011	.08080	-.00390	-.05690	-.05690	.00870	.00870	-.04910	-.06240	-.05480	-.06120
4.062	4.011	.16740	.02850	-.02560	-.03400	-.04360	.02090	-.04400	-.05690	-.03900	-.04280
	GRADIENT	.01694	.00693	.00441	.00441	.00398	.00183	.00185	.00110	.00253	.00400

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5063)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 187/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.053	-3.989	.06880	.01850	-.00550	-.01500	-.01610	.03060	.00010	.00950	.00930	.00200
-4.200	.011	.13420	.05680	.01530	.00880	-.00260	.03890	.00020	.00130	.01840	.00810
-4.135	4.011	.21990	.10260	.04960	.04390	.02750	.05220	.01610	.01530	.03280	.02560
	GRADIENT	.01889	.01051	.00689	.00736	.00545	.00270	.00200	.00085	.00294	.00295

RUN NO. 188/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-7.709	-3.995	.04660	-.00180	-.03000	-.03910	-.04410	.01550	-.02480	-.02440	-.01990	-.02250
-.041	.008	.09400	.02150	-.01930	-.02610	-.03790	.01660	-.02290	-.03160	-.02510	-.02480
.525	4.008	.17460	.05190	-.00070	-.00600	-.01940	.02510	-.01980	-.03120	-.01790	-.01820
	GRADIENT	.01599	.00671	.00366	.00414	.00309	.00120	.00062	-.00085	.00025	.00054

RUN NO. 189/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.909	-3.992	.05110	-.02790	-.06260	-.07140	-.07790	.00170	-.04050	-.04770	-.04810	-.04090
3.993	.011	.10460	-.00210	-.04780	-.05690	-.06760	.00140	-.02820	-.03740	-.03850	-.02980
3.859	4.017	.18580	.02930	-.02590	-.03350	-.04340	.01970	-.03090	-.04500	-.03280	-.02630
	GRADIENT	.01682	.00714	.00458	.00473	.00431	.00225	.00120	.00034	.00191	.00182

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 190/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.213	-4.080	.04170	.01030	-.00490	-.00780	-.01360	.11180	-.00860	-.02020	-.01670	-.02660
-4.384	-.086	.10910	.05610	.02690	.02110	.01000	.11810	-.00410	-.01400	-.00410	-.01870
-4.360	3.914	.18290	.11130	.06290	.05480	.03850	.13080	.01580	.00120	.02680	.01750
	GRADIENT	.01766	.01264	.00848	.00783	.00652	.00238	.00305	.00268	.00544	.00552

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(AE5064)

(22 JAN 76)

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

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TABULATED SOURCE DATA - 1A82C

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(AE5064) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

RUN NO. 191/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-1.016	-4.083	.03170	.00800	-.02430	-.02900	-.03480	.10550	-.02190	-.03880	-.04170	-.05220
-.294	-.086	.07760	.02920	-.00340	-.01270	-.02260	.10780	-.02180	-.02870	-.02580	-.04030
.359	3.914	.13110	.06120	.01460	.00530	-.00700	.11620	-.00410	-.02790	-.02500	-.02900
	GRADIENT	.01243	.00865	.00486	.00429	.00348	.00134	.00223	.00136	.00209	.00290

RUN NO. 192/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.775	-4.092	.01520	-.02850	-.04770	-.05410	-.06000	.10550	-.02970	-.05240	-.05930	-.06920
3.675	-.086	.06050	.00350	-.03030	-.04020	-.04830	.10250	-.02640	-.05140	-.05320	-.06130
3.665	3.920	.11550	.03330	-.01040	-.02320	-.03310	.10630	-.01640	-.04550	-.04320	-.04610
	GRADIENT	.01252	.00771	.00466	.00386	.00336	.00010	.00166	.00086	.00201	.00288

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

RUN NO. 193/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.288	-4.086	.06560	.01310	-.00430	-.00780	-.01360	.11210	.01880	.00430	.00260	.01130
-4.228	-.083	.13770	.06100	.02910	.02210	.01110	.11820	.02140	.00410	.01100	.00990
-4.303	3.917	.20600	.11650	.06550	.05800	.04230	.13120	.03340	.01550	.03460	.03280
	GRADIENT	.01742	.01293	.00872	.00822	.00698	.00239	.00182	.00140	.00400	.00269

RUN NO. 194/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-9.950	-4.089	.06120	-.00040	-.02010	-.02590	-.03050	.10410	.01260	-.00190	.00160	.00100
-.194	-.089	.10550	.03470	-.00240	-.01290	-.02160	.10570	.00040	-.01520	-.00880	-.01170
.325	3.917	.16000	.06560	.01790	.00680	-.00480	.10960	.02740	.00600	.00099	.02680
	GRADIENT	.01234	.00837	.00475	.00408	.00321	.00069	.00185	.00099	.00128	.00322

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(AE5065) (22 JAN 76)

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

(AE5067) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 199/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.088	.011	.13110	.05490	.01380	.00770	-.00490	.03890	.00170	.00130	.01880	.01010
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 200/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-691	-3.986	.04750	-.00050	-.02830	-.03740	-.04280	.01520	-.02550	-.02020	-.01910	-.02100
.015	.008	.09430	.02490	-.01780	-.02500	-.03760	.01300	-.02920	-.03260	-.02500	-.02810
.503	4.011	.17820	.05330	-.00050	-.00470	-.01840	.02500	-.01950	-.03050	-.01650	-.01570
	GRADIENT	.01635	.00673	.00348	.00409	.00305	.00123	.00075	-.00129	.00033	.00066

RUN NO. 201/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.978	.014	.10160	-.00390	-.04960	-.05840	-.06900	.00300	-.02550	-.03570	-.03650	-.02580
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 202/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.287	-.083	.13380	.05880	.02690	.01990	.01000	.10210	.00070	-.02320	-.01850	-.01560
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 203/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.938	-4.083	.05970	-.00190	-.02160	-.02800	-.03380	.09530	.00070	-.01450	-.02330	-.01280
-.240	-.086	.10040	.03470	-.00310	-.01240	-.02170	.09680	-.01410	-.02980	-.02110	-.02530
-.290	3.917	.16390	.06690	.01750	.00710	-.00510	.11940	.03580	.01620	.02140	.03870
	GRADIENT	.01303	.00860	.00489	.00439	.00359	.00301	.00439	.00384	.00559	.00644

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

(AE5068) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

(AE5068) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	204/ 0	RN/L =	1.64	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	200	RN/L	=	2.67	GRADIENT INTERVAL	=	-5.00/	5.00
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[illegible]

RUN NO.	206/ 0	RN/L =	2.66	GRADIENT INTERVAL =	-5.00/ 5.00
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	ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
	-.693	-4.042	.08560	-.01850	-.05550	-.06550	-.06470	-.02480	-.03300	-.02920	-.02260	-.03630
	-.031	-.039	.15200	.00250	-.04560	-.05200	-.05950	-.02690	-.02580	-.03330	-.02690	-.03050
	.566	3.954	.26230	.03630	.02420	.02450	.03500	.01620	.03650	-.03360	-.01060	-.01560
GRADIENT			.02197	.00685	.00391	.00513	.00371	.00107	-.00049	-.00095	.00150	.00259

RUN NO.	207	0	RN/L	=	2.65	GRADIENT INTERVAL	=	-5.00/	5.00
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DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

(AE5070) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 208/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.097	.011	.13310	.05540	.01390	.00780	-.00480	.02970	-.00620	-.00730	.01860	.01670
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 209/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.834	-3.986	.05130	-.00090	-.02950	-.03820	-.04360	.01910	-.02110	-.02000	-.01690	-.02070
-.056	.011	.09590	.02390	-.01880	-.02610	-.03790	.01450	-.02230	-.03030	-.02570	-.02490
.481	4.008	.18320	.05600	.00200	-.00260	-.01710	.02690	-.01530	-.02780	-.01380	-.01000
GRADIENT		.01650	.00712	.00394	.00445	.00332	.00098	.00073	-.00098	.00039	.00134

RUN NO. 210/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.937	.014	.10360	-.00220	-.04830	-.05630	-.06770	.00500	-.02080	-.03060	-.03180	-.01510
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 211/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.225	-.083	.13490	.06260	.02830	.02180	.01080	.11590	.01470	-.00160	.00600	-.00330
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 212/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.957	-4.093	.06010	-.00230	-.02270	-.02910	-.03490	.11540	.01040	-.00290	-.01330	-.00640
-.291	-.086	.10650	.03550	-.00300	-.01230	-.02280	.10820	.00820	-.00860	-.01090	.01230
.231	3.914	.16080	.06760	.01750	.00640	-.00580	.11310	.00970	-.01470	-.00890	.00150
GRADIENT		.01259	.00874	.00503	.00444	.00364	-.00029	-.00009	-.00148	.00055	.00099

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM IND.2 OFF)

(AE5071) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 213/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
3.719BETA
- .086
GRADIENTCP151
.08530
.00000CP152
.00380
.00000CP153
-.03470
.00000CP154
-.04340
.00000CP155
-.05160
.00000CP156
.09070
.00000CP157
-.01310
.00000CP158
-.03350
.00000CP159
-.03460
.00000CP160
-.03230
.00000MACH =
ELV-18 =3.500 PT = 15.100
.000 ELV-08 = .000

PARAMETRIC DATA

ARC87-044 1A82 OT MPS-NOM (NO.2 OFF)

(AE5072) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 214/ 0 RN/L = 1.72 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-4.334BETA
- .086
GRADIENTCP151
.10800
.00000CP152
.02180
.00000CP153
.00200
.00000CP154
.00550
.00000CP155
-.00040
.00000CP156
.12250
.00000CP157
.00970
.00000CP158
.00270
.00000CP159
.01600
.00000CP160
.00740
.00000MACH =
ELV-18 =3.500 PT = 15.100
.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 215/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
- .857BETA
-4.086
GRADIENTCP151
.02110
.07080CP152
-.02890
.03810CP153
-.04350
.01530CP154
-.04520
.01420CP155
-.04580
.00770CP156
.09720
.10580CP157
-.01640
-.00600CP158
-.03150
-.01770CP159
-.02860
-.00950CP160
-.04320
-.01750MACH =
ELV-18 =3.500 PT = 15.100
.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 216/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
3.840BETA
3.917
GRADIENTCP151
.09870
.00000CP152
.01710
.00000CP153
-.00730
.00000CP154
-.00560
.00000CP155
-.01200
.00000CP156
.09590
.00000CP157
-.01570
.00000CP158
-.03830
.00000CP159
-.03490
.00000CP160
-.03660
.00000MACH =
ELV-18 =3.500 PT = 15.100
.000 ELV-08 = .000

PARAMETRIC DATA

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OT MPS-NOM (NO.1 OFF)

(AE5073) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 217/ 0 RN/L = 1.73 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.272	-0.086	.10610	.02000	.00020	.00370	-.00210	.09220	-.00950	-.01770	-.02060	-.03930
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 218/ 0 RN/L = 1.71 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-0.907	-4.089	.02160	-.02670	-.04230	-.04230	-.04410	.10360	-.01220	-.02840	-.00990	-.02440
-.216	-.083	.06890	-.00200	-.02170	-.02290	-.02690	.10230	-.01610	-.01550	-.00560	-.03460
.247	3.914	.13380	.03730	.01350	.01350	.00770	.12150	.00080	-.01190	.00430	-.00090
	GRADIENT	.01402	.00800	.00697	.00697	.00647	.00224	.00162	.00206	.00177	.00293

RUN NO. 219/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.944	-.083	.03620	-.02430	-.04110	-.04110	-.04340	.09810	-.03000	-.05560	-.05270	-.05860
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 220/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.344	-.083	.10580	.02380	.00400	.00930	.00350	.08780	-.02500	-.03260	-.04780	-.04430
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 221/ 0 RN/L = 1.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.919	-4.086	.01280	-.03020	-.04360	-.04540	-.04650	.09560	-.02340	-.04090	-.03330	-.04910
-.044	-.086	.06120	-.00400	-.02320	-.02500	-.02670	.13010	.00290	-.01440	-.00170	-.01100
.347	3.920	.13190	.04060	.01800	.01740	.00726	.13240	.01020	-.00250	.01360	-.00020
	GRADIENT	.01488	.00884	.00769	.00784	.00726	.00460	.00420	.00480	.00586	.00611

ARC87-044 1A82 OT MPS-OFF

(AE5074) (22 JAN 76)

ARC87-044 1A82 OT MPS-OFF

(AE5074) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH
 ELV-1B =

3.500 PT =
 .000 ELV-0B =

15.100
 .000

RUN NO. 222/ 0 RN/L = 1.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
 3.800

BETA
 -.083
 GRADIENT

CP151
 .03200
 .00000

CP152
 -.02100
 .00000

CP153
 -.03670
 .00000

CP154
 -.03670
 .00000

CP155
 -.03900
 .00000

CP156
 .10030
 .00000

CP157
 -.02460
 .00000

CP158
 -.02800
 .00000

CP159
 -.02340
 .00000

CP160
 -.03580
 .00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH
 ELV-1B =

3.500 PT =
 .000 ELV-0B =

15.100
 .000

RUN NO. 223/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
 -4.090

BETA
 -.083
 GRADIENT

CP151
 .10830
 .00000

CP152
 .02170
 .00000

CP153
 .00020
 .00000

CP154
 .00360
 .00000

CP155
 -.00220
 .00000

CP156
 .10830
 .00000

CP157
 -.00740
 .00000

CP158
 -.01730
 .00000

CP159
 -.00390
 .00000

CP160
 -.01380
 .00000

RUN NO. 224/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
 -.800

BETA
 -4.086
 -.086
 3.914
 GRADIENT

CP151
 .02510
 .07190
 .13720
 .01401

CP152
 -.02480
 .00100
 .03890
 .00796

CP153
 -.04050
 -.01870
 .01390
 .00680

CP154
 -.04170
 -.02110
 .01330
 .00688

CP155
 -.04170
 -.02400
 .00580
 .00594

CP156
 .13360
 .08990
 .10600
 -.00345

CP157
 .00760
 -.03140
 -.02000
 -.00345

CP158
 -.00730
 -.03430
 -.02690
 -.00245

CP159
 -.01250
 -.01680
 -.00020
 .00154

CP160
 .00760
 -.04240
 -.00720
 -.00185

RUN NO. 225/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
 3.825

BETA
 -.083
 GRADIENT

CP151
 .04120
 .00000

CP152
 -.02100
 .00000

CP153
 -.03670
 .00000

CP154
 -.03790
 .00000

CP155
 -.04020
 .00000

CP156
 .10710
 .00000

CP157
 -.00410
 .00000

CP158
 -.03020
 .00000

CP159
 -.03370
 .00000

CP160
 -.04180
 .00000

ARC87-044 1A82 OT MPS-NOM

(AE5075) (22 JAN 76)

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OT MPS-NOM-

(AE5076) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 226/ 0		RN/L = 1.67		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	BETA	CP151	CP152	CP153	CP154
-4.259	-0.083	.10950	.02350	.00310	.00600
	GRADIENT	.00000	.00000	.00000	.00000
		CP155	CP156	CP157	CP158
		.00080	.13260	.02050	.00730
		.00000	.00000	.00000	.00000
		CP159	CP160	CP161	CP162
		.02110	.01310	.00000	.00000

RUN NO. 227/ 0		RN/L = 1.67		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	BETA	CP151	CP152	CP153	CP154
-1.860	-4.089	.02300	.02710	.04160	.04340
-1.194	-0.086	.06980	.00120	.02040	.02210
.459	3.911	.13630	.04090	.01540	.01590
	GRADIENT	.01416	.00850	.00712	.00741
		.00675	.00529	.00464	.00695
		CP155	CP156	CP157	CP158
		.00450	.10290	.01630	.03600
		.02560	.10710	.01700	.03050
		.00950	.14520	.02080	.01960
		.00675	.00529	.00464	.00695
		CP159	CP160	CP161	CP162
		.04120	.03260	.02400	.03280
		.01910	.01330	.00754	.00574

RUN NO. 228/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 228/ 0		RN/L = 1.66		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	BETA	CP151	CP152	CP153	CP154
3.897	-0.083	.03460	.02580	.04270	.04380
	GRADIENT	.00000	.00000	.00000	.00000
		CP155	CP156	CP157	CP158
		.04560	.07840	.04910	.05380
		.00000	.00000	.00000	.00000
		CP159	CP160	CP161	CP162
		.03690	.05440	.00000	.00000

ARC87-044 1A82 OT MPS-NOM+

(AE5077) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 229/ 0		RN/L = 1.66		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	BETA	CP151	CP152	CP153	CP154
-4.175	-0.083	.10960	.02060	.00040	.00370
	GRADIENT	.00000	.00000	.00000	.00000
		CP155	CP156	CP157	CP158
		.00330	.15160	.04340	.01100
		.00000	.00000	.00000	.00000
		CP159	CP160	CP161	CP162
		.01860	.01160	.00000	.00000

RUN NO. 230/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 230/ 0		RN/L = 1.66		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	BETA	CP151	CP152	CP153	CP154
-1.810	-4.089	.02490	.02800	.04430	.04610
-1.194	-0.086	.07620	.00070	.02020	.02320
.581	3.914	.14240	.04210	.01770	.01770
	GRADIENT	.01468	.00876	.00775	.00797
		.00731	.00247	.02810	.03680
		.00134	.00186	.02610	.04180
		.02490	.03890	.00000	.00000

ARC87-044 1A82 OT MPS-NOM+

(AE5077) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 231/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.791	-.089	-.01910	-.03760	.00000	-.03940	.09910	.00000	-.02770	-.04280	-.03870	-.04630
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

ARC87-044 1A82 OT MPS-NOM++

(AE5078) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 232/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-4.237	-.089	-.01440	-.03940	.00000	-.04340	.22540	.00000	.01610	-.02870	-.02740	-.03390
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 233/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.678	-4.083	-.01740	-.06880	-.08470	-.08730	.21810	.01140	.01140	-.06500	-.08610	-.09000
-.159	-.083	.02940	-.03650	-.05760	-.06150	.26470	.00780	.00780	-.03790	-.04830	-.05090
.462	3.911	.08990	.00540	-.02500	-.03420	.22090	-.00860	-.00860	-.06930	-.05610	-.04290
	GRADIENT	.01342	.00928	.00747	.00763	.00664	.00035	-.00250	-.00054	.00375	.00589

RUN NO. 234/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.878	-.089	-.04570	-.06540	-.06810	-.06940	.24430	.00940	.00940	-.02210	-.01300	-.05500
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

DATE 04 FEB 76

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ARC87-044 1A82 OT MPS-NOM+++

(AE5079) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

3.500 PT = 6.700
 .000 ELV-08 = .000

PARAMETRIC DATA

ALPHA -4.212 BETA -.089 GRADIENT .00000
 RUN NO. 235/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.07750	-.00680	-.02920	-.03450	-.03320	.23550	.02410	-.01920	-.02050	-.02840
.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ALPHA -.741 BETA -4.080 GRADIENT .00000
 RUN NO. 236/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
-.00330	-.05460	-.07170	-.07300	-.07300	.17570	-.03010	-.05380	-.11580	-.11180
.03980	-.03130	-.05510	-.05900	-.05640	.22740	-.00190	-.04510	-.05040	-.05950
.10240	.01020	-.02270	-.02270	-.03050	.24140	.01120	-.02810	-.02410	-.02410
.01321	.00810	.00613	.00629	.00530	.00821	.00516	.00321	.01146	.01096

ALPHA 4.069 BETA .086 GRADIENT .00000
 RUN NO. 237/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.01640	-.05070	-.07180	-.07440	-.07570	.17380	.00270	-.06440	-.06440	-.06440
.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

3.500 PT = 6.700
 .000 ELV-08 = .000

PARAMETRIC DATA

ALPHA -4.016 BETA -.083 GRADIENT .00000
 RUN NO. 238/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.07680	-.00890	-.03260	-.03790	-.03920	.24970	.01980	.01320	-.01960	-.01960
.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ALPHA -.963 BETA -4.086 GRADIENT .00000
 RUN NO. 239/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
.00360	-.05400	-.07110	-.07370	-.07240	.21950	.00710	-.04120	-.06720	-.08420
.03980	-.03210	-.05700	-.06230	-.06100	.21350	-.00320	-.04640	-.05690	-.06340
.09370	.00250	-.02790	-.03450	-.03980	.22680	-.01510	-.05070	-.07320	-.05730
.01126	.00706	.00540	.00490	.00408	.00091	-.00278	-.00119	-.00075	.00336

ARC87-044 1A82 OT MPS-NOM++++

(AE5080) (22 JAN 76)

ORIGINAL PAGE IS
OF POOR QUALITY

ARC87-044 1A82 OT MPS-NOM+++

(AE5080) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 240/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP151	CP152	CP153	CP154	CP155	CP156	CP157	CP158	CP159	CP160
3.769	-.086	.02010	-.04810	-.06910	-.07170	-.07300	.17150	-.05610	-.06920	-.10870	-.12450
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(BE5001) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 1/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.916	-3.992	.20090	.08970	.04120	.03340	.01410	.00980	.02070	.04820	.14560	.05740
-3.963	-1.986	.16770	.06470	.01840	.01880	.00360	-.00450	.00600	.03200	.13200	.04410
-3.972	.008	.12310	.04630	.01330	.00370	-.00220	-.00760	.00170	.04240	.11560	.02760
-3.891	2.011	.08170	.03170	-.00360	-.01300	-.01530	-.01760	-.00290	.02550	.10260	.00640
-3.941	4.011	.06840	.01940	-.00660	-.01510	-.00620	-.00190	.00550	.02260	.09940	.01480
	GRADIENT	-.01755	-.00868	-.00588	-.00644	-.00297	-.00183	-.00197	-.00289	-.00609	-.00614

MACH = 3.000 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 2/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.066	-3.995	.16000	.05970	.00630	-.00890	-.00740	-.02880	.02800	-.00620	.12200	.03230
-.038	-1.992	.12680	.04090	-.00530	-.01460	-.02400	-.03450	-.02010	-.00140	.09450	.00120
-.060	.008	.09100	.01110	-.00290	-.01490	-.04400	-.04370	-.03430	-.01340	.08570	-.00750
-.072	2.005	.05510	-.00090	-.02690	-.03270	-.04440	-.04590	-.04870	-.02340	.09290	.00050
-.069	4.011	.03670	-.01350	-.04240	-.05130	-.05480	-.04740	-.04430	-.02050	.08820	-.00230
	GRADIENT	-.01591	-.00941	-.00595	-.00514	-.00576	-.00243	-.00306	-.00253	-.00346	-.00349

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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(BE5001) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 14.700
 ELV-1B = .000 ELV-OB = .000

RUN NO. 3/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.019	-4.005	.17180	.02820	-.02280	-.02900	-.03490	-.04190	-.04540	-.02980	.09050	.00580
4.034	-1.986	.13250	.00940	-.04250	-.05220	-.05690	-.06000	-.05300	-.04910	.07460	-.01070
3.987	.011	.09670	-.00170	-.04680	-.05730	-.06510	-.06700	-.05150	-.04220	.07650	-.01290
3.987	2.014	.07270	-.01200	-.05200	-.06250	-.06830	-.06830	-.05510	-.03540	.06620	-.02760
3.984	4.011	.04720	-.02010	-.05840	-.06340	-.06920	-.06810	-.05410	-.04520	.05620	-.03690
	GRADIENT	-.01543	-.00589	-.00403	-.00395	-.00400	-.00303	-.00097	-.00091	-.00389	-.00511

(BE5002) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-OB = .000

RUN NO. 4/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.671	-4.039	.28970	.07140	.01640	.00880	.00880	.02450	.04000	.06890	.11450	.06200
-3.781	-2.039	.19490	.04810	.00230	-.00580	-.00810	.01050	.03240	.05450	.10320	.04980
-3.784	-.042	.15510	.02380	-.01300	-.01800	-.01490	.01140	.03140	.05040	.08720	.03440
-3.697	1.945	.10220	.00430	-.01840	-.03360	-.01560	-.00520	.02260	.04750	.08670	.03690
-3.587	3.958	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.08060	.03140
	GRADIENT	-.03365	-.00934	-.00267	-.00227	-.00125	-.00324	-.00450	-.00725	-.00422	-.00371

RUN NO. 5/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.144	-4.045	.27640	.04660	-.02080	-.02480	-.02250	-.02340	-.01580	.01540	.07910	.02280
.209	-2.046	.19590	.01110	-.04290	-.04940	-.05250	-.04460	-.01410	-.00080	.06310	.00660
.156	.011	.15720	-.00140	-.04840	-.05710	-.05850	-.04750	-.01100	-.00340	.05830	-.00170
.150	1.961	.10580	-.01330	-.05050	-.05670	-.06090	-.04690	-.01330	-.00260	.04910	-.01070
.044	3.954	.08510	-.01830	-.06560	-.07260	-.06580	-.05060	-.02840	-.01010	.04450	-.01370
	GRADIENT	-.02363	-.00771	-.00486	-.00514	-.00475	-.00283	-.00122	-.00264	-.00416	-.00451

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(BE5002)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-IB =

2.600 PT = 14.700
 .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 6/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.279	-4.042	.27690	.02030	-.03000	-.01930	-.03420	-.04510	-.04930	-.02630	.06330	.00440
4.231	-2.046	.20250	-.00840	-.05860	-.05470	-.05830	-.05830	-.05830	-.02960	.04430	-.01690
4.231	-.042	.15920	-.01960	-.06800	-.07130	-.07130	-.07330	-.04040	-.03280	.03020	-.03030
4.231	1.958	.11920	-.02970	-.08940	-.08980	-.08960	-.07630	-.03720	-.03530	.02830	-.03310
4.219	3.954	.08140	-.04060	-.08240	-.09420	-.09000	-.07320	-.04680	-.03590	.02070	-.04190
	GRADIENT	-.02369	-.00715	-.00627	-.00924	-.00724	-.00334	.00130	-.00124	-.00506	-.00543

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5003)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-IB =

2.600 PT = 14.700
 .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 7/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.684	-4.042	.28450	.06280	.00950	.00280	.00340	.01950	.04030	.06340	.11360	.06200
-3.890	-2.046	.18770	.03750	-.01000	-.01640	-.01780	.00220	.03190	.05550	.10290	.05080
-3.931	-.042	.15060	.02400	-.00930	-.02230	-.01730	.00180	.03180	.04900	.08520	.03450
-3.853	1.951	.10430	.00570	-.02350	-.03460	-.02320	-.00430	.02870	.04790	.08700	.03880
-3.843	3.958	.08910	-.00290	-.03190	-.03000	-.02470	-.00370	.02370	.03620	.07850	.03140
	GRADIENT	-.02371	-.00816	-.00482	-.00419	-.00308	-.00264	-.00182	-.00310	-.00431	-.00366

RUN NO. 8/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.100	-4.052	.26300	.03060	-.02710	-.03100	-.03380	-.02570	-.01680	.01080	.08050	.02650
-.025	-2.049	.20390	.01400	-.03250	-.04240	-.04520	-.03750	-.00200	.00960	.06330	.00890
.050	-.042	.15630	-.00170	-.04840	-.05810	-.05500	-.04310	-.00030	.00130	.05510	-.00370
-.031	1.961	.10540	-.00980	-.05220	-.06470	-.06140	-.04810	-.00820	-.00290	.04850	-.00830
.075	3.961	.08060	-.02580	-.06140	-.07360	-.06660	-.04660	-.02330	-.01030	.04510	-.01040
	GRADIENT	-.02313	-.00682	-.00441	-.00537	-.00408	-.00262	-.00096	-.00273	-.00427	-.00454

ARC87-044 I A82 OTS SRB-NOM MPS-NOM

(BE5003) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	2.600	PT	=	14.700
ELV-1B	=	.000	ELV-0B	=	.000

PARAMETRIC DATA

RUN NO.	9/ 0	RN/L =	2.56	GRADIENT INTERVAL =	-5.00/	5.00
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ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.147	-4.039	.26640	.01440	-.02980	-.03370	-.04170	-.04930	-.04700	-.03120	.05830	.00220
4.231	-2.049	.20310	-.00940	-.06080	.05750	.05860	.06610	.04660	.02380	.04500	-.01290
4.284	-.046	.15260	.01850	.06890	.06760	.07200	.06760	.03710	.03280	.03170	-.02540
4.228	1.958	.11180	-.08810	.08310	.09010	.08980	.07420	.02900	.02980	.02720	.02800
4.069	3.954	.07150	.04500	.08100	.09430	.09410	.07830	.02930	.03540	.02560	.02660
	GRADIENT	-.02406	-.00726	-.00624	-.00769	-.00680	-.00330	.00265	-.00072	-.00416	-.00364

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	2.600	PT	=	14.700
ELV-1B	=	.000	ELV-0B	=	.000

PARAMETRIC DATA

ARC87-044 IAB2 OTS SRB-NOM- MPS-NOM

(BE5004) (22 JAN 76)

RUN NO.	10/ 0	RN/L =	2.55	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

RUN NO.	11	0	RN/L	=	2.55	GRADIENT	INTERVAL	=	-5.00/	5.00
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ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.150	-4.042	.26540	.03400	-.02190	-.02660	-.03170	-.02860	-.01910	.00910	.08220	.02650
.094	-.039	.15460	.00050	-.05130	-.05520	-.05910	-.04770	-.00820	-.00150	.05540	-.00450
-.012	3.961	.08070	-.02390	.06260	-.07400	-.06150	-.05230	-.02720	-.00960	.04360	.01370
GRADIENT		-.08201	-.00723	-.00509	-.00592	-.00372	-.00296	-.00101	-.00234	-.00482	-.00502

RUN NO.	12/ 0	RN/L =	2.55	GRADIENT INTERVAL =	-5.00/ 5.00.
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[illegible]

ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(BE5005) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 13/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.853	-.039	.13730	.01430	-.02430	-.03290	-.03120	-.01020	.02750	.04110	.08840	.03890
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 14/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.029	-4.049	.26410	.03490	-.02000	-.02380	-.02880	-.02660	-.00600	.01520	.07930	.02760
.091	-.046	.15250	-.00280	-.04590	-.05830	-.05880	-.04950	-.00370	-.00040	.05460	-.00140
.069	3.958	-.07470	-.02820	-.05420	-.07290	-.06740	-.05070	-.01390	-.00680	.04370	-.00940
	GRADIENT	-.02366	-.00788	-.00427	-.00613	-.00482	-.00301	-.00099	-.00275	-.00445	-.00462

RUN NO. 15/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.972	-.039	.15040	-.02090	-.07320	-.07000	-.07380	-.07490	-.02660	-.02990	.03220	-.01780
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

(BE5006) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 16/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.947	-.039	.14460	.02590	-.01460	-.02210	-.02070	-.00130	.03110	.04890	.08250	.03170
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 17/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.029	-4.045	.26320	.03560	-.01840	-.02450	-.03030	-.02610	-.01170	.01170	.07570	.02090
.100	-.042	.15430	.00130	-.04420	-.05500	-.05670	-.04500	-.00390	.00330	.05300	-.00650
.122	3.964	-.07460	-.02830	-.06420	-.07680	-.07060	-.05140	-.02780	-.01360	.04100	-.01540
	GRADIENT	-.02355	-.00798	-.00572	-.00653	-.00503	-.00316	-.00201	-.00316	-.00433	-.00453

ARC87-044 IA82 OTS SRB-NOM
MPS-NOM-

(BE5006) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.-	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	2.600	PT	14.700
ELV-18	.000	ELV-08	.000

PARAMETRIC DATA

RUN NO.	18/ 0	RN/L = 2.54	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(8E5007) (22 JAN 76)

REFERENCE DATA

SREF =	2690.0000	50.F.T.	XMRP =	976.0000	IN. Y.T
LREF =	1290.3000	IN.	YMRP =	.0000	IN. Y.T
BREF =	1290.3000	IN.	ZMRP =	400.0000	IN. Z.T
SCALE =	.0100				

MACH	=	2.600	PT	=	14.700
ELV-18	=	.000	ELV-08	=	.000

PARAMETRIC DATA

RUN NO.	19/ 0	RN/L =	2.54	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]

RUN NO.	20/ 0	RN/L =	2.54	GRADIENT	INTERVAL =	-5.00/	5.00
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ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.016	-4.052	.25980	.03560	-.02090	-.03140	-.02770	-.03050	-.01300	.01240	.07990	.02500
.125	-.042	.15030	-.00200	-.00750	-.05640	-.05590	-.01200	-.00310	-.00260	.05370	-.00630
-.034	3.958	.07250	-.02430	-.05990	-.07460	-.06930	-.05350	-.02290	.01070	.04340	.01290
GRADIENT		-.02299	-.00748	-.00488	-.00539	-.00519	-.00287	-.00123	-.00288	-.00456	-.00473

RUN NO.	21/ 0	RN/L =	2.54	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

ARC87-044 1A82 OTS SRB-NOM** MPS-NOM

(BE5008) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 22/ 0 RN/L = 1.22 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.869	-0.042	.15800	.04360	-.03970	-.04780	-.03100	-.03470	.06040	.05040	.09680	.09120
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 23/ 0 RN/L = 1.23 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.138	-4.039	.20280	.03310	-.02040	-.03410	-.03960	-.03840	-.00170	.02440	.08870	.05210
.169	-.039	.13190	-.00780	-.05080	-.06950	-.07140	-.06330	.00340	-.00340	.06570	.03590
.072	3.958	.07560	-.02880	-.02160	-.07950	-.07450	-.05970	.01010	.00520	.06090	.01190
GRADIENT		-.01591	-.00774	-.00515	-.00568	-.00436	-.00266	.00148	-.00240	-.00348	-.00503

RUN NO. 24/ 0 RN/L = 1.23 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.159	-0.016	.13460	-.01570	-.06640	-.07440	-.07570	-.07630	-.02120	-.02740	.03340	.01540
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM** MPS-NOM

(BE5009) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 25/ 0 RN/L = .99 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.935	.008	.14950	.05430	.01010	-.00280	-.01840	-.01060	.05510	.04820	.13890	.09310
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 26/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.065	-3.995	.15500	.03380	-.01290	-.02590	-.03200	-.04580	-.02330	-.01810	.09990	.03790
.200	.011	.09870	.01070	-.03500	-.04630	-.05320	-.02380	.01070	.03660	.12890	.05480
.012	4.008	.05120	-.04330	-.03820	-.06560	-.06140	-.01580	.03830	.04940	.14650	.07010
GRADIENT		-.01297	-.00963	-.00316	-.00496	-.00367	.00375	.00770	.00844	.00582	.00402

PARAMETRIC DATA

MACH = 2.600 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

MACH = 3.000 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

ARC87-044 IA82 OTS SRB-NOM+ MPS-NOM

(BE5009) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LRFP	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BRFP	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.3100						

MACH
ELV-18

.000	PT	=	6.700
.000	ELV-08	=	.000

PARAMETRIC DATA

RUN NO.	27/ 0	PN/L =	1.00	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

ARC87-044 I A82 OTS SRS-OFF MPS-NOM+++

(BE5010) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO. FT.	XMRP	=	976.0000	IN.	YT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH · =
ELV-18 =

.000	PT	=	6.700
.000	ELV-OB	=	.000

PARAMETRIC DATA

RUN NO.	28/ 0	RN/L = 1.01	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

RUN NO.	29/ 0	RN/L =	1.01	GRADIENT	INTERVAL =	-5.00/	5.00
---------	-------	--------	------	----------	------------	--------	------

	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
ALPHA	.006	.13240	.04550	-.01270	-.01270	-.02900	-.05130	-.02130	-.03240	.08810	-.00040
	.100	.08380	.00740	-.03470	-.04590	-.05280	-.05790	-.05530	-.05810	.06930	-.02420
	.015	.02750	-.03210	-.06320	-.06750	-.07440	-.07870	-.06320	-.07180	.06230	-.02820
	GRADIENT	-.01311	-.00982	-.00631	-.00685	-.00567	-.00342	-.00524	-.00492	-.00322	-.00347

```

RUN NO: 30/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

```

[illegible]

ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

(BE5011) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO.	31/ 0	RN/L = 1.01	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	CP161	CP162	CP163
-3.978	.11160	.02380	-.01230
BETA	.00000	.00000	.00000
GRADIENT	.008	-.02180	-.02530
		.00000	.00000
			CP166
			-.03640
			-.02270
			.00000
			CP167
			-.02270
			.00000
			CP168
			-.02610
			.00000
			CP169
			.08910
			.00000
			CP170
			-.00130
			.00000

RUN NO.	32/ 0	RN/L = 1.01	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	CP161	CP162	CP163
-3.995	.13900	.04270	-.00460
.084	.07850	.00460	-.04000
-.091	.02780	-.03500	-.06940
GRADIENT	-.01388	-.00970	-.00604
			-.00485
			-.00110
			CP165
			-.02700
			-.05630
			-.06590
			-.05990
			-.06340
			-.00303
			CP166
			-.05110
			-.03910
			-.03910
			-.06150
			.06240
			-.00367
			-.00469
			CP167
			-.03220
			-.09470
			.00880
			-.03470
			.06150
			.06240
			-.02880
			-.00403
			CP168
			-.06020
			.00000
			.00000
			CP169
			.05960
			.00000
			CP170
			-.03870
			.00000

RUN NO. 33/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

RUN NO.	33/ 0	RN/L = 1.01	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	CP161	CP162	CP163
4.150	.06500	-.02130	-.06450
BETA	.014	.00000	.00000
GRADIENT	.00000	.00000	.00000
			-.07660
			.00000
			CP164
			-.08270
			.00000
			CP165
			-.08700
			.00000
			CP166
			-.08180
			.00000
			CP167
			-.08180
			.00000
			CP168
			-.06020
			.00000
			.00000
			CP169
			.05960
			.00000
			CP170
			-.03870
			.00000

ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(BE5012) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 10.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO.	34/ 0	RN/L = 1.57	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	CP161	CP162	CP163
-3.928	.11500	.04090	.00440
BETA	.014	.00000	.00000
GRADIENT	.00000	.00000	.00000
			-.00310
			.00000
			CP164
			-.00840
			-.02540
			.00000
			CP165
			-.00520
			.00000
			CP166
			-.00840
			-.02540
			.00000
			CP167
			-.02540
			.00000
			CP168
			.02220
			.00000
			.00000
			CP169
			.05840
			.00000
			CP170
			.03680
			.00000

RUN NO.	35/ 0	RN/L = 1.56	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	CP161	CP162	CP163
.075	.17000	.05030	-.00420
.075	.11050	.01300	-.02690
.034	-.03440	-.02870	-.06270
GRADIENT	-.01694	-.00987	-.00731
			-.00792
			-.00798
			CP164
			-.00900
			-.04580
			-.05650
			-.07620
			-.02060
			-.00387
			CP165
			-.01550
			-.04520
			-.02250
			-.02800
			-.01180
			.04800
			.00550
			.04870
			.00570
			-.00221
			-.00342
			CP166
			-.01550
			.06640
			.04800
			.00320
			-.00320
			-.00320
			CP167
			-.02250
			-.02800
			-.01180
			.04800
			.00550
			.04870
			.00570
			-.00221
			-.00342
			CP168
			-.01550
			.06640
			.04800
			.00320
			-.00320
			-.00320
			CP169
			-.02250
			-.02800
			-.01180
			.04800
			.00550
			.04870
			.00570
			-.00221
			-.00342
			CP170
			-.02250
			-.02800
			-.01180
			.04800
			.00550
			.04870
			.00570
			-.00221
			-.00342

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(BE5012) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 36/ 0 RN/L = 1.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
4.118BETA
.008
GRADIENT

CP161 CP162 CP163 CP164 CP165 CP166 CP167
 .09640 -.01190 -.06370 -.07560 -.08420 -.08310 -.06530
 .00000 .00000 .00000 .00000 .00000 .00000 .00000

CP168 CP169 CP170
 -.05670 .02970 .01840
 .00000 .00000 .00000

MACH =
 ELV-18 = 10.700
 .000

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 37/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-3.972

BETA
-3.989
-1.999
.008
2.014
4.008
GRADIENT

CP161 CP162 CP163 CP164 CP165 CP166 CP167
 .19880 .08090 .02860 .02170 .01030 .00220 .01290
 .16780 .07220 .02430 .01830 .00990 -.00190 .01520
 .13210 .05250 .01830 .00730 .00280 .00240 .01080
 .09740 .03680 .00230 .00070 .00030 .00870 .00460
 .07070 .02390 .00950 .01940 .01330 .01290 .00230
 -.01633 -.00747 -.00491 -.00506 -.00287 -.00185 -.00159

CP168 CP169 CP170
 .03890 .14690 .06270
 .03460 .13590 .05090
 .03730 .12680 .04250
 .02690 .11250 .03280
 .01600 .10840 .02750
 -.00267 -.00502 -.00442

MACH =
 ELV-18 = 15.100
 .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5013) (22 JAN 76)

RUN NO. 38/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
.072

BETA
-3.992
-1.992
.103
.125
.044
2.008
4.008
GRADIENT

CP161 CP162 CP163 CP164 CP165 CP166 CP167
 .16450 .05690 .01330 .00080 -.01140 -.02500 -.01550
 .12650 .03520 .01630 .02590 .03540 .04540 .01900
 .09020 .02100 .01890 .02840 .03600 .04590 .02270
 .06270 .01140 .03880 .04760 .05400 .03730 .08700
 .04010 .01060 .04180 .05010 .04860 .03150 .08580
 -.01563 -.00794 -.00609 -.00573 -.00433 -.00275 -.00217

CP168 CP169 CP170
 .00040 .11720 .03180
 -.01290 .10190 .01540
 -.00560 .09030 .00260
 -.02400 .08700 -.00110
 -.01700 .08580 .00230
 -.00229 -.00389 -.00378

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5013)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO.	39/ 0	RN/L = 2.09	GRADIENT INTERVAL = -5.00/ 5.00	MACH = 3.000	PT = 15.100						
ALPHA	4.090	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
BETA	-3.992	.18630	.03800	-.01280	-.02120	-.02720	-.03030	-.02650	-.01470	.08860	.00550
	-1.986	.14480	.01160	-.02810	-.04400	-.05380	-.05420	-.04130	-.03760	.07810	-.00120
	.008	.10530	-.01050	-.04090	-.05420	-.06830	-.06220	-.03630	-.03290	.07850	-.00340
	2.017	.06850	-.01720	-.05610	-.06790	-.07250	-.07740	-.04770	-.03250	.07980	-.01280
	4.011	.04120	-.02800	-.06030	-.07060	-.07400	-.07530	-.04440	-.04170	.07650	-.01650
GRADIENT	-.01832	-.00804	-.00615	-.00613	-.00561	-.00576	-.00576	-.00211	-.00244	-.00112	-.00278

ARC87-044 1A82 OTS SRB-OFF MPS-NOM

(BE5014)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO.	40/ 0	RN/L = 2.08	GRADIENT INTERVAL = -5.00/ 5.00	MACH = 3.000	PT = 15.100						
ALPHA	-4.141	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
BETA	.011	.12070	.04180	.00980	-.00350	-.00960	-.01540	-.00770	.02620	.12670	.04050
GRADIENT	.011	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO.	41/ 0	RN/L = 2.09	GRADIENT INTERVAL = -5.00/ 5.00	MACH = 3.000	PT = 15.100						
ALPHA	.069	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
	.022	.16370	.05370	.00390	-.00560	-.01510	-.03040	-.02310	-.00220	.11650	.02570
	-.063	.04920	-.00680	-.03070	-.04160	-.04320	-.04510	-.03600	-.02770	.09110	-.00200
GRADIENT	.011	-.01431	-.00756	-.00432	-.00450	-.00351	-.00184	-.00161	-.00139	-.00391	-.00411

RUN NO.	42/ 0	RN/L = 2.08	GRADIENT INTERVAL = -5.00/ 5.00	MACH = 3.000	PT = 15.100						
ALPHA	3.959	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
BETA	.014	.10490	-.00090	-.04200	-.05610	-.06640	-.06980	-.05570	-.04240	.07310	-.01920
GRADIENT	.011	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM+

(BE5015) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

3.000 PT = 15.100
 .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 43/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.860	.014	.12140	.04850	.01130	.00070	-.00380	-.00500	-.00080	.03370	.12780	.04120
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 44/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.012	-3.992	.16350	.05950	.00510	-.01010	-.01700	-.02990	-.02920	-.00710	.11660	.02510
.078	.014	.07090	.00640	-.02450	-.04050	-.05690	-.05390	-.05200	-.02600	.09080	-.00260
.056	4.017	.03830	-.01080	-.03900	-.04880	-.05040	-.05040	-.03670	-.01080	.08660	-.00520
	GRADIENT	-.01563	-.00878	-.00551	-.00483	-.00417	-.00256	-.00094	-.00046	-.00375	-.00378

RUN NO. 45/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.925	.008	.10510	.00300	-.04400	-.04590	-.05540	-.06980	-.05500	-.04360	.07360	-.01870
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(BE5016) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

3.000 PT = 15.100
 .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 46/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.063	.008	.11780	.04150	.00100	-.00390	-.01040	-.01540	-.00510	.02770	.12610	.04150
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 47/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.125	-3.983	.16580	.04940	.00430	.00210	-.01080	-.02600	-.01840	-.00060	.11600	.02830
-.003	.014	.08540	.02210	-.03250	-.03250	-.03520	-.04200	-.03330	-.01580	.08970	-.00020
.087	4.008	.04260	-.01020	-.03680	-.04600	-.04670	-.04860	-.03460	-.01520	.08490	-.00280
	GRADIENT	-.01542	-.00746	-.00514	-.00502	-.00449	-.00283	-.00203	-.00183	-.00389	-.00389

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(BE5016)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.000 PT = 15.100
 .000 ELV-0B = .000

RUN NO. 48/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.906	.008	.12410	-.00460	-.04560	-.06000	-.06340	-.06870	-.04670	-.04210	.07470	-.01140
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

(BE5017)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.000 PT = 15.100
 .000 ELV-0B = .000

RUN NO. 49/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.888	.008	.11340	.03780	.00240	-.00670	-.01320	-.00940	-.00030	.03050	.12550	.04090
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 50/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.072	-3.989	.16500	.05360	.00700	-.00820	-.01840	-.03430	-.01350	-.00140	.11560	.02970
.112	.014	.07860	.01240	-.02820	-.02600	-.04190	-.04150	-.03770	-.02710	.09050	.00150
.087	4.011	.03340	-.01840	-.04850	-.05720	-.05760	-.05760	-.02940	-.01540	.08800	.00360
	GRADIENT	-.01645	-.00975	-.00694	-.00612	-.00490	-.00291	-.00199	-.00175	-.00345	-.00326

RUN NO. 51/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.009	.011	.10290	.00720	-.05510	-.06570	-.05660	-.07180	-.04410	-.03980	.07820	-.00290
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

PARAMETRIC DATA

PARAMETRIC DATA

ARC87-044 I A82 OTS SRB-NOM MPS-NOM+

(BE5018) (22 JAN 78)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT.      XMRP =
LREF = 1290.3000 IN.        YMRP =
BREF = 1290.3000 IN.        ZMRP =
SCALE = .0100

```

MACH
ELV-18

PT = 15.100
ELV-08 = .000

PARAMETRIC DATA

RUN NO.	52/ 0	RN/L =	2.08	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

RUN NO.	53/ 0	RN/L =	2.08	GRADIENT INTERVAL =	-5.00/	5.00
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ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.075	-3.989	.14870	.03790	-.01250	-.02170	-.03080	-.04340	-.03660	-.01670	.11440	.02830
.087	.011	.08700	.01860	-.02080	-.02880	-.03750		-.02540	-.01100	.08900	.00180
-.047	.4.008	.03680	-.00980	-.03900	-.04780	-.04970	-.04890	-.02690	-.01780	.08850	.00520
	GRADIENT	-.01399	-.00596	-.00331	-.00326	-.00236	-.00069	.00121	-.00014	-.00324	-.00289

RUN NO.	54/ 0	RN/L = 2.08	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

REFERENCE DATA

SREF	=	2690.000	SQ.FT.	XMRP	=
LREF	=	1290.300	IN.	YMRP	=
BREF	=	1290.300	IN.	ZMRP	=
SCALE	=	.0100			

MACH
ELV-18

PT = 15.100
ELV-OB = .000

PARAMETRIC DATA

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RUN NO.      55/ 0      RN/L = 1.70      GRADIENT INTERVAL = -5.00/ 5.00

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ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.294	-4.086	.22350	.13140	.07780	.06750	.05420	.03750	.02310	.06230	.22160	.07540
-4.356	-2.083	.12910	.06250	.03560	.01460	.00640	-.01060	-.02290	-.01350	.19980	.05170
-4.212	-.086	.12060	.06320	.04010	.01980	.03480	.00700	.00410	.01760	.02380	.02380
-4.262	1.917	.08550	.02330	.01340	-.01460	-.00990	-.02560	-.02620	.01280	.17250	.02260
-4.141	3.917	.07870	.02380	.00990	.00300	-.00630	-.00513	-.01380	.02670	.17390	.02560
GRADIENT		-.01666	-.01272	-.00790	-.00791	-.00629	-.00513	-.00386	-.00353	-.00613	-.00643

ARC87-044 1A82 OTS SR8-OFF MPS-OFF

(BE5019)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

RUN NO. 56/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.204	-4.089	.15070	.05910	.04870	.03020	.01340	.00000	-.03650	-.01450	.18160	.03540
-2.206	-2.089	.13640	.09370	.03560	.02230	.01370	-.00070	-.01800	-.03010	.17760	.02910
-.181	-.083	.08950	.03610	-.00580	.00180	.01570	-.01330	-.04060	-.02030	.16560	.01020
-.231	1.917	.04210	-.00070	.01090	-.01170	-.03430	-.04010	-.04760	-.03660	.14990	-.00490
-.197	3.914	-.01100	-.06340	-.08340	-.08580	-.07930	-.07220	-.10640	-.09580	.14350	-.01140
	GRADIENT	-.02087	-.01696	-.01443	-.01329	-.01166	-.00918	-.00846	-.00845	-.00519	-.00638

RUN NO. 57/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.715	-4.083	.12570	.04650	.00140	-.01130	-.01650	-.02923	-.02810	-.03210	.16660	.01750
3.662	-2.086	.13500	.02800	-.00490	-.02570	-.04710	-.04650	-.05060	-.04770	.14720	-.00650
3.716	-.086	.07340	-.01470	.00040	-.02690	-.05930	-.06570	-.06050	-.05350	.14630	-.00970
3.681	1.911	.05700	-.01500	-.03540	-.04700	-.07200	-.06680	-.06910	-.05450	.14490	-.01520
3.765	3.914	.00500	-.05120	-.07280	-.08280	-.08740	-.09100	-.09910	-.11200	.13250	-.02650
	GRADIENT	-.01598	-.01193	-.00895	-.00822	-.00834	-.00720	-.00803	-.00834	-.00353	-.00484

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

ARC87-044 1A82 OTS SR8-NOM MPS-NOM

(BE5020)

(22 JAN 76)

RUN NO. 58/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.213	-4.086	.19250	.11430	.05470	.04310	.03150	.01760	.00430	.02800	.22270	.08270
-4.150	-2.089	.15390	.08810	.05180	.03440	.01890	.00850	-.00770	.01710	.20140	.05900
-4.287	-.086	.12490	.05840	.01740	.02840	.01620	-.00460	-.00170	.00240	.18880	.04410
-4.172	1.917	.08420	.02410	-.01000	.02870	-.00190	-.01640	-.00190	-.00250	.17150	.03470
-4.272	3.914	.07660	.01620	-.00290	.00180	.00470	-.01490	.00290	.00410	.17800	.04890
	GRADIENT	-.01507	-.01301	-.00884	-.00571	-.00372	-.00449	.00015	-.00337	-.00596	-.00459

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5020) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 3.500 PT = 15.100
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT ELV-1B = .000
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT ELV-OB = .000
 SCALE = .0100

PARAMETRIC DATA

RUN NO. 59/ 0		RN/L = 1.65		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	BETA	CP161	CP162	CP163	CP164
-1.147	-4.396	.15460	.07270	.02540	.01040
-1.188	-2.089	.13060	.05660	.01160	-.00750
-.031	-.089	.03740	.03450	-.00360	-.01920
-.122	1.914	.06620	.00510	-.02230	-.03040
-.278	3.911	.06790	-.00020	-.03600	-.03940
GRADIENT	GRADIENT	-.01189	-.00982	-.00784	-.00613
		CP165	CP166	CP167	CP168
		.00230	-.00960	-.01150	-.00630
		-.01450	-.03180	-.02540	-.01680
		-.02380	-.03650	-.02210	-.00940
		-.03610	-.04600	-.03670	-.02800
		-.03420	-.04400	-.01750	-.01580
		-.00473	-.00413	-.00117	-.00151
		CP169	CP170		
		.18540	.04990		
		.18640	.04400		
		.17440	.02280		
		.16340	.01700		
		.16630	.03020		
		-.00306	-.00332		

RUN NO. 50/ 0		RN/L = 1.65		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	BETA	CP161	CP162	CP163	CP164
3.887	-4.089	.15070	.05640	.00980	-.00460
3.881	-2.092	.09430	.01310	-.02980	-.04480
3.794	-.080	.07960	-.00080	-.02160	-.04180
3.966	1.914	.07010	.00090	-.03310	-.04300
3.856	3.920	.06840	-.00110	-.02630	-.03440
GRADIENT	GRADIENT	-.00943	-.00635	-.00377	-.00268
		CP165	CP166	CP167	CP168
		-.00920	-.02760	-.02240	-.00980
		-.05060	-.05990	-.02980	-.02920
		-.04420	-.05570	-.04130	-.03900
		-.04350	-.05330	-.02680	-.02510
		-.03950	-.05100	-.02400	-.00390
		-.00267	-.00201	-.00001	-.00079
		CP169	CP170		
		.17950	.02680		
		.16160	.03940		
		.16010	.03730		
		.15620	.03630		
		.16820	.04780		
		-.00140	.00194		

ARC87-044 1A82 OTS SRB-OFF MPS-NOM+

(BE5021) (22 JAN 76)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

RUN NO. 61/ 0		RN/L = 1.65		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	BETA	CP161	CP162	CP163	CP164
-3.991	-.083	.08620	.02850	-.00170	-.02210
	GRADIENT	.00000	.00000	.00000	.00000
		CP165	CP166	CP167	CP168
		-.02910	-.03780	-.05820	-.03670
		.00000	.00000	.00000	.00000
		CP169	CP170		
		.18710	.03580		
		.00000	.00000		
		CP165	CP166	CP167	CP168
		-.02290	-.03920	-.05720	-.03860
		-.00190	-.01920	-.03070	-.01690
		-.03360	-.02550	-.02840	-.02670
		-.00170	.00171	.00360	.00149
		CP169	CP170		
		.18240	.03510		
		.16470	.00880		
		.14610	-.00910		
		-.00454	-.00553		

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM+

(BE5021) 11 22 JAN 76

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	63/ 0	RN/L =	1.65	GRADIENT INTERVAL	-5.00/	5.00

[illegible]

MACH	=	3.500	PT	=	15.100
ELV-1B	=	.000	ELV-0B	=	.000

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	YT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	64/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

MACH	=	3.500	PT	=	15.100
ELV-18	=	.000	ELV-08	=	.000

RUN NO.	65/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
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ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-1.00	-4.089	.13950	.05410	.02290	.00500	-.00490	-.02050	-.03790	-.02340	.18380	.03660
-.216	-.083	.09510	.03020	-.00870	-.02550	-.03240	-.03940	-.05100	-.02780	.16600	.00950
-.294	3.917	.04270	.00060	.01560	-.03460	.03400	.04440	.04320	.04320	.14620	-.00980
	GRADIENT	-.01209	-.00808	-.00481	-.00495	-.00364	-.00299	-.00066	-.00247	-.00470	-.00580

RUN NO.	66/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

CP168	CP169	CP170
- .05090	.14880	-.00710
.00000	.00000	.00000

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(BE5023) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 67/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.200	-0.086	.11220	.04980	.01980	.01580	.02040	-.00620	-.01020	.00360	.18610	.03540
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 68/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-2.65	-4.083	.15050	.07180	.02030	.00760	-.00800	-.01960	-.02770	-.01730	.18370	.04100
-.022	-.086	.10140	.04010	.00310	-.00780	-.01480	-.02340	-.01590	.00140	.17100	.01900
-.247	3.914	.04260	-.01260	-.04330	-.04580	-.04970	-.05320	-.04330	-.04570	.14740	.00530
	GRADIENT	-.01349	-.01055	-.00795	-.00580	-.00522	-.00420	-.00195	-.00355	-.00454	-.00446

RUN NO. 69/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.728	-.025	.05990	-.00240	-.03190	-.03830	-.04990	-.05970	-.04870	-.04120	.15870	.00280
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 70/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.087	-0.086	.10670	.05230	.01650	.01880	.00610	-.00610	-.00200	.00150	.18860	.04450
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 71/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.075	-4.083	.13720	.05410	.00240	-.01210	-.02030	-.04870	-.04640	-.03770	.18480	.04680
-.178	-.089	.09420	.02910	-.00490	-.00960	-.02400	-.02910	-.02110	-.00780	.17750	.02620
-.197	3.911	.04920	-.00550	-.04730	-.04670	-.03450	-.05370	-.02230	-.01480	.17870	.04120
	GRADIENT	-.01101	-.00746	-.00622	-.00433	-.00178	-.00063	.00301	-.00286	-.00076	-.00070

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5024) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

(BE5024) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.500 PT = 15.100
 .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 72/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.747	-.083	.07850	-.00080	-.03720	-.05400	-.04360	-.06210	-.02220	-.02100	.17790	.04410
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.500 PT = 15.100
 .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 73/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.134	-.083	.13470	.06930	.02800	.02860	.02170	.01140	.00850	.02280	.18540	.03930
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 74/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.104	-4.086	.16480	.08200	.04230	.02040	.01350	-.01750	-.01640	-.01520	.18450	.04740
-.153	-.086	.08310	.02950	.00010	-.01660	-.01830	-.03100	-.03150	-.01830	.17120	.01960
-.206	3.917	.06110	.00070	-.00970	-.02120	-.02700	-.02750	-.01430	-.01200	.15890	.03030
	GRADIENT	-.01296	-.01016	-.00650	-.00520	-.00506	-.00125	.00026	.00040	-.00321	-.00214

RUN NO. 75/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.825	-.083	.08440	.01200	-.02440	-.03250	-.02560	-.04120	-.04300	-.03950	.15470	.00570
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(BE5025) (22 JAN 76)

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(BE5026) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 76/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.156	-0.083	.11460	.00980	.00730	-.01580	-.02240	-.03150	-.01830	-.01500	.10630	.03430
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-0.005	-4.089	.13430	.05320	.01560	-.00490	-.01880	-.03440	-.01150	-.00240	.11640	.06240
-.163	3.911	.07070	.00000	-.03450	-.05340	-.05420	-.07150	-.08130	-.05160	.08300	-.00220
	GRADIENT	.06530	-.06500	-.02780	-.03670	-.03670	-.02530	-.00160	.00000	.09570	.03040
		-.00862	-.00746	-.00542	-.00397	-.00224	.00114	.00124	.00030	-.00259	-.00400

RUN NO. 78/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.806	-0.083	.05960	-.02100	-.06210	-.07030	-.08020	-.04070	-.03660	-.03000	.10110	.02240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 79/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.209	-0.083	.10680	.01520	.00990	-.01360	-.01880	-.03190	-.05290	-.04110	.16070	.00630
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 80/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.154	-4.089	.11140	.04440	.00500	-.00550	-.03180	-.04370	-.05420	-.04890	.15330	-.00070
-.240	-.086	.07040	.00220	-.05670	-.05280	-.01610	-.06590	-.06850	-.06070	.12780	-.03290
-.256	3.917	.01850	.00010	-.03930	-.09850	-.09590	-.07880	-.08010	-.08270	.12530	-.03430
	GRADIENT	-.01160	-.00553	-.00553	-.01162	-.00801	-.00438	-.00323	-.00422	-.00350	-.00420

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

(BE5027) (22 JAN 76)

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

(BE5027) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	YT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	81/ 0	RN/L =	.78	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	82/ 0	RN/L =	.78	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

Run

ALPHA	BETA	CP161	CP162	CP163
-.147	-4.083	.10060	.03740	-.00730
-.181	-.089	.07260	-.00220	-.03370
-.300	3.917	.00770	-.05540	-.04620
	GRADIENT	-.01161	-.01160	-.00486

RUN NO.	84/ 0	RN/L =	.79	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM** MPS-NOM

(BE5029) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 85/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.184	-0.083	.10570	.02230	-.02800	-.04390	-.03600	-.00950	.00110	.00770	.19790	.06220
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 86/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-0.060	-4.089	.13840	.04410	-.00820	-.01610	-.02270	-.01610	.00090	.00880	.19480	.06500
-0.009	-0.083	.08430	-.03510	-.04190	-.05370	-.05770	-.04320	-.03930	-.03270	.15920	.02580
-0.160	3.917	.02720	-.04000	-.06380	-.08220	-.07430	-.03480	-.02690	-.01900	.18000	.04320
	GRADIENT	-.01389	-.01050	-.00594	-.00826	-.00645	-.00234	-.00347	-.00347	-.00185	-.00272

RUN NO. 87/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.850	-0.083	.07420	-.01990	-.04090	-.04090	-.04610	-.01080	.01400	.02450	.19630	.06420
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 88/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.963	-0.039	.14810	.02920	-.01360	-.02260	-.01950	-.00130	.02860	.04680	.08340	.03320
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 89/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.057	-4.045	.26640	.03840	-.01870	-.02570	-.02900	-.02460	-.01930	.01260	.07670	.02260
.137	-.042	.14980	-.00460	-.05200	-.05960	-.05960	-.05010	-.01020	-.00460	.05150	-.00820
.244	3.961	.08000	-.02400	-.06020	-.07310	-.06580	-.05010	-.02990	-.00640	.04220	-.01300
	GRADIENT	-.02328	-.00779	-.00518	-.00592	-.00460	-.00319	-.00132	-.00237	-.00431	-.00445

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(BE5030) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(BE5030) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 90/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.103	-.042	.14570	-.02150	-.07340	-.07510	-.07420	-.07650	-.04900	-.03720	.02830	-.03280
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-OB = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5031) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 91/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.850	-.042	.14360	.02070	-.01900	-.02640	-.02040	-.00380	.02680	.04660	.08310	.03440
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 92/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.012	-4.045	.26430	.03560	-.02290	-.02700	-.03060	-.02680	-.01060	.01640	.07560	.02470
.122	-.042	.15530	.00020	-.04590	-.05280	-.05470	-.04180	-.00030	.00680	.05250	-.00380
.013	3.958	.07970	-.02360	-.06090	-.07570	-.05780	-.04990	-.02270	-.00790	.03990	-.01230
GRADIENT		-.02307	-.00740	-.00475	-.00609	-.00465	-.00289	-.00151	-.00304	-.00446	-.00462

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 93/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.057	-.042	.14830	-.02430	-.07000	-.07000	-.06970	-.07300	-.04080	-.03360	.02830	-.02830
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-OB = .000

PARAMETRIC DATA

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(BE5032) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-IB = 4.000 ELV-OB = .000

RUN NO. 94/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.791	.011	.12370	.04760	.01080	.00350	-.00750	-.00330	.00730	.03280	.12750	.04120
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 95/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.169	-3.992	.16390	.06090	.00730	.00120	-.00910	-.02810	-.01250	.01300	.11740	.02580
.044	.011	.08410	.02380	-.01720	-.02140	-.03470	-.04760	-.04080	-.01380	.09280	-.00050
-.006	4.011	.04160	-.00850	-.04080	-.04650	-.04650	-.04840	-.03660	-.01610	.08720	-.00620
	GRADIENT	-.01528	-.00867	-.00601	-.00596	-.00467	-.00254	-.00301	-.00364	-.00377	-.00400

RUN NO. 96/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.062	.014	.09400	-.01200	-.04780	-.06120	-.07110	-.07570	-.06080	-.05320	.07290	-.02130
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5033) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-IB = 4.000 ELV-OB = .000

RUN NO. 97/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.007	.014	.11610	.03870	.01430	.00890	-.00220	-.01090	-.00180	.03300	.12820	.04350
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 98/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.050	-3.989	.15860	.05410	.00280	.00510	-.00820	-.02640	-.01810	.00250	.11570	.02780
.137	.008	.08840	.02140	-.01750	-.02590	-.03420	-.04030	-.02550	-.00830	.09120	.00190
.097	4.011	.04180	-.01110	-.03890	-.04540	-.05030	-.04390	-.02180	-.01610	.08700	.00150
	GRADIENT	-.01460	-.00815	-.00521	-.00631	-.00526	-.00219	-.00046	-.00232	-.00359	-.00329

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5033) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

RUN NO. 99/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.053	.011	.11460	.00640	-.05020	-.05480	-.06310	-.06770	-.03950	-.03650	.07560	-.00720
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(BE5034) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

RUN NO. 100/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.109	-.086	.11020	.05040	.02130	.01320	.00790	-.00200	-.01130	-.00140	.18630	.03130
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 101/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-1.260	-4.083	.14000	.05900	.01790	.00450	.00270	-.02340	-.03620	-.02340	.18350	.03270
-1.103	-.086	.08450	.02870	-.00920	-.02080	-.02720	-.04060	-.05390	-.02950	.16550	.00600
GRADIENT		.03740	-.01200	-.03410	-.04170	-.04230	-.04690	-.04930	-.05280	.14530	-.01320
		-.01282	-.01013	-.00650	-.00577	-.00562	-.00294	-.00164	-.00368	-.00478	-.00574

RUN NO. 102/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.850	-.086	.07210	.00590	-.03310	-.04290	-.04930	-.05860	-.05980	-.04930	.14880	-.01020
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

PARAMETRIC DATA

PARAMETRIC DATA

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5035) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 103/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.056	.086	.10050	.03520	.00610	-.00090	-.00850	-.01840	-.02140	-.01790	.18440	.03590
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.063	-.086	.14580	.06150	.01210	.00160	-.00650	-.01700	-.02920	-.01580	.18230	.04150
-.184	-.089	.09300	.03090	-.01200	-.02010	-.01380	-.03410	-.02710	-.01090	.17290	.01880
-.100	3.914	.05710	-.00270	-.03520	-.03340	-.03520	-.04560	-.01950	-.01660	.16600	.02450
	GRADIENT	-.01109	-.00803	-.00490	-.00437	-.00359	-.00357	.00121	-.00010	-.00204	-.00212

RUN NO. 105/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.785	-.086	.08470	.00920	-.03140	-.04300	-.05400	-.05350	-.04820	-.03840	.16300	.03620
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 106/ 0 RN/L = 2.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.669	-.042	.13970	.01390	-.02540	-.03560	-.02980	-.01290	.01580	.03540	.08350	.03440
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 107/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.141	-4.045	.26500	.04200	-.01870	-.02120	-.02310	-.02120	-.01490	.01660	.07710	.02420
.194	-.039	.15410	-.00100	-.04680	-.05530	-.05890	-.04630	-.00950	-.00210	.05120	-.00550
.057	3.961	.07980	-.02220	-.06700	-.07780	-.07030	-.05250	-.03100	-.01200	.04100	-.01330
	GRADIENT	-.02313	-.00802	-.00603	-.00707	-.00590	-.00391	-.00201	-.00357	-.00451	-.00468

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(BE5036) (22 JAN 76)

ARC87-044 IAB2 OTS SRB-OFF MPS-OFF

(BE5036) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 108/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.231	-.039	.14790	-.02350	-.07360	-.07530	-.07250	-.07140	-.04690	-.03310	.02820	-.03170
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-18 = 4.000 ELV-08 = -4.000

PARAMETRIC DATA

ARC87-044 IAB2 OTS SRB-NOM MPS-NOM

(BE5037) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 109/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.900	-.039	.15240	.02820	-.01620	-.02200	-.01680	.00050	.03340	.05150	.08240	-.03370
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-18 = 4.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 110/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.050	-4.042	.26440	.03540	-.02400	-.02590	-.02450	-.02420	-.01130	.01400	.07700	.02540
-.050	-.042	.15550	.00080	-.05080	-.05730	-.05570	-.04500	-.00610	.00190	.05150	-.00480
.100	3.958	.08080	-.02560	-.06130	-.07320	-.06710	-.05010	-.02170	-.00720	.04140	-.01140
	GRADIENT	-.02295	-.00762	-.00466	-.00591	-.00532	-.00324	-.00130	-.00265	-.00445	-.00460

RUN NO. 111/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.044	-.042	.14960	-.02250	-.07220	-.07020	-.07680	-.07820	-.04040	-.03570	.02880	-.02930
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

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(BE5038) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 112/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.763	.011	.11980	.04480	.00790	-.00120	-.00650	-.01340	-.00350	.02620	.12950	.04160
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.003	-3.996	.16070	.05560	.00450	-.00540	-.01640	-.02970	-.02740	-.00460	.11940	.02690
.187	.011	.08210	.01860	-.02060	-.02860	-.03740	-.04650	-.04120	-.01990	.09320	-.00150
-.063	4.014	.03980	-.01050	-.03860	-.05010	-.05120	-.05160	-.04280	-.01920	.08880	-.00520
	GRADIENT	-.01511	-.00826	-.00539	-.00559	-.00435	-.00274	-.00192	-.00182	-.00392	-.00401

RUN NO. 114/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.978	.008	.10010	-.00310	-.04910	-.05680	-.06320	-.06890	-.05640	-.04650	.07510	-.02000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 115/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.969	.008	.12760	.04430	.00970	-.00140	-.00780	-.01280	-.00060	.02830	.12760	.04140
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 116/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.191	-3.992	.16500	.05420	.00300	-.00500	-.01480	-.02850	-.02010	-.00610	.11850	.03100
.144	.011	.08710	.01990	-.01990	-.02940	-.03660	-.04760	-.03240	-.01880	.09340	.00430
-.138	4.008	.04060	-.00810	-.04270	-.05150	-.05110	-.05030	-.02860	-.01420	.08930	.00290
	GRADIENT	-.01555	-.00779	-.00571	-.00581	-.00454	-.00273	-.00106	-.00101	-.00365	-.00341

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5039) (22 JAN 76)

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 4.000 ELV-08 = -4.000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5039) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	117/ 0	RN/L =	2.10	GRADIENT INTERVAL =	-5.00%	5.00
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[illegible]

MACH	=	3.000	PT	=	15.100
ELV-IB	=	4.000	ELV-OB	=	-4.000

PARAMETRIC DATA

ARC87-044 I A82 OTS SRB-OFF MPS-OFF

(BE5040) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

118/ 0	1.64	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

MACH	=	3.500	PT	=	15.100
ELV-IB	=	4.000	ELV-OB	=	-4.000

PARAMETRIC DATA

RUN NO.	119/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
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ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.038	-4.086	.14960	.07280	.02510	.01470	.00480	-.01150	-.03190	-.02260	.18710	.03490
-.278	-.086	.07390	.02520	-.00570	-.02090	-.03020	-.04070	-.05180	-.03020	.16850	.00810
-.372	3.917	.04560	.01130	.02580	.03110	.03110	.04100	.04910	.04620	.15100	-.00850
GRADIENT		-.01299	-.01051	-.00636	-.00572	-.00449	-.00369	-.00215	-.00295	-.00451	-.00542

RUN NO.	120/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

CP167	CP168	CP169	CP170
-.06610	-.05960	.15370	-.00670
.00000	.00000	.00000	.00000

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5041) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-IB = 4.000 ELV-OB = -4.000

RUN NO. 121/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.112	-0.086	.11440	.05110	.01970	.01160	.00460	-.01050	-.00990	-.00290	.18880	.03920
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 122/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-0.204	-4.083	.15610	.06920	.02060	.01770	.00780	-.01020	-.01650	-.01020	.18460	.04330
-.094	-.086	.10050	.03310	-.00290	-.02030	-.02440	-.03540	-.03250	-.01220	.17630	.02050
-.116	3.917	.05110	-.00990	-.03320	-.03900	-.04190	-.04650	-.02560	-.02560	.17060	.02520
	GRADIENT	-.01312	-.00989	-.00573	-.00709	-.00621	-.00454	-.00114	-.00193	-.00175	-.00226

RUN NO. 123/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.875	-.089	.07420	-.00320	-.04230	-.05510	-.05970	-.06320	-.04460	-.04340	.16500	.03680
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-IB = 10.000 ELV-OB = -4.000

RUN NO. 124/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.800	-.046	.14710	.02190	-.01880	-.02610	-.02250	-.00450	.02580	.04320	.08550	.03510
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 125/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.478	-4.042	.26240	.04030	-.01810	-.02660	-.02990	-.02210	-.00630	.02090	.08240	.02850
.141	-.042	.15150	-.00100	-.04270	-.04880	-.05720	-.04380	-.00740	.00010	.05350	-.00600
.888	3.961	.07920	-.02670	-.06540	-.07950	-.07330	-.06180	-.03560	-.01930	.04010	-.01740
	GRADIENT	-.02289	-.00837	-.00591	-.00661	-.00542	-.00496	-.00366	-.00502	-.00529	-.00573

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ARC87-044 1A82 OTS SR8-OFF MPS-OFF

(BE5042) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 126/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.116	-.042	.1690	-.01720	-.06470	-.06360	-.06840	-.06810	-.04730	-.03300	.03380	-.02850
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 127/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.728	-.042	.12660	.00970	-.02590	-.03450	-.02870	-.00670	.01730	.04310	.08060	.03050
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 128/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
.194	-.042	.26520	.04170	-.01430	-.02010	-.02590	-.01870	.00010	.02760	.08200	.03080
.860	3.961	.07720	-.02990	-.06580	-.08040	-.07400	-.05900	-.02740	-.01270	.03850	-.01600
	GRADIENT	-.02349	-.00895	-.00656	-.00753	-.00601	-.00504	-.00344	-.00504	-.00544	-.00585

RUN NO. 129/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.022	-.042	.16790	-.01970	-.06330	-.06330	-.06330	-.06800	-.04100	-.03020	.03220	-.02830
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(BE5043) (22 JAN 76)

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(BE5044) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 130/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.978	.011	.10660	.03850	.00540	-.00470	-.00010	-.01170	-.00010	.02520	.12860	.04040
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 131/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.638	-3.992	.17320	.06530	.01170	.00200	-.00890	-.02130	-.01820	.00430	.12850	.03400
.081	.011	.08890	.02200	-.02010	-.02980	-.03760	-.04770	-.03880	-.01780	.09730	.00050
	GRADIENT	-.02106	-.01082	-.00794	-.00794	-.00717	-.00659	-.00515	-.00552	-.00779	-.00837

RUN NO. 132/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.075	.014	.10770	.03470	.00240	-.00600	-.01280	-.01930	-.00860	.02220	.12210	.03820
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5045) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 133/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.966	.014	.10740	.03470	.00240	-.00600	-.01280	-.01930	-.00860	.02220	.12210	.03820
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 134/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.619	-3.986	.17950	.06110	.01400	.00380	-.00840	-.02240	-.01290	.00680	.12420	.03550
.225	.011	.08940	.01980	-.02200	-.02920	-.03760	-.04860	-.03070	-.01740	.09170	-.00050
.753	.011	.04030	-.01140	-.04040	-.04900	-.05410	-.05600	-.03390	-.02290	.08280	-.00290
	GRADIENT	-.01741	-.00907	-.00680	-.00648	-.00571	-.00420	-.00263	-.00371	-.00518	-.00480

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 10.000 ELV-08 = -4.000

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 10.000 ELV-08 = -4.000

ARC87-044 I A82 OTS SRB-NOM MPS-NOM

(BE5045) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN. XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN. YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN. ZT
SCALE	=	.0100					

RUN NO.	135/ 0	RN/L =	2.09	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN. XT
LREF	=	1290.3000	IN.	YMRP	=	0000	IN. YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN. ZT
SCALE	=	.0100					

RUN NO.	136/ 0	RN/L = 1.60	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

RUN

ALPHA	BETA	CP161	CP162	CP163
-.778	-4.083	.15900	.08600	.02660
-.147	-.086	.09110	.03220	-.00590
.540	3.917	.04750	-.00830	-.02850
	GRADIENT	-.01394	-.01179	-.00689

RUN NO.	138/ 0	RN/L = 1.60	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

RUN

ALPHA	BETA	CP161	CP162	CP163
3.878	-.083	.07730	.00270	-.03600
	GRADIENT	.00000	.00000	.00000

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(BE5047) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

RUN NO. 139/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.134	-0.083	.11360	.04900	.01960	.01210	.00630	-.00640	-.00750	-.00180	.18280	.03240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 140/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.635	-4.086	.15970	.07760	.02500	.01350	.00080	-.01370	-.02120	-.00620	.18980	.04650
-.062	-.089	.09510	.03220	-.00830	-.02040	-.02850	-.03140	-.03710	-.01350	.17320	.01940
.522	3.914	.05170	-.00720	-.03550	-.04580	-.04930	-.05050	-.02970	-.02160	.16750	.02120
	GRADIENT	-.01350	-.01060	-.00756	-.00741	-.00626	-.00460	-.00106	-.00193	-.00279	-.00316

RUN NO. 141/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.863	-.083	.08930	.00960	-.02850	-.04180	-.05160	-.04640	-.01980	-.00950	.18440	.04960
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 142/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.859	-4.039	.24610	.05600	.00310	-.00480	-.00590	.00960	.03040	.05430	.10760	.05690
-3.859	-.042	.12870	.01180	-.02000	-.02930	-.02370	-.00680	.02080	.04000	.08110	.02940
-3.928	3.958	.07570	-.01180	-.03510	-.04470	-.02870	-.00950	.01660	.03350	.07620	.02810
	GRADIENT	-.02131	-.00848	-.00478	-.00499	-.00285	-.00239	-.00173	-.00260	-.00393	-.00360

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(BE5048) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(BE5048) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

2.600 PT = 15.100
 8.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 143/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-725	-4.042	.27030	.03840	-.01850	-.02530	-.03040	-.02310	-.00900	.01980	.08240	.02890
-.006	-.042	.15270	-.00300	-.05060	-.05710	-.05880	-.04840	-.01260	-.00270	.05330	-.00440
.635	3.970	.07630	-.03050	-.06910	-.08150	-.07610	-.06120	-.03610	-.01440	.04190	-.01490
	GRADIENT	-.02421	-.00660	-.00631	-.00701	-.00570	-.00475	-.00338	-.00427	-.00505	-.00546

RUN NO. 144/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.194	-4.055	.29560	.02450	-.01600	-.02020	-.02700	-.03740	-.04550	-.02780	.06110	.00530
4.063	-.046	.16630	-.01410	-.06440	-.06360	-.06390	-.07200	-.04790	-.03550	.03180	-.02990
4.110	3.954	.08550	-.04590	-.09130	-.09890	-.09420	-.07580	-.04560	-.04560	.02210	-.04070
	GRADIENT	-.02623	-.00879	-.00940	-.00983	-.00839	-.00480	-.00001	-.00222	-.00487	-.00574

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(BE5049) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

2.600 PT = 15.100
 8.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 145/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.875	-4.049	.25800	.05850	.00720	-.00300	-.00460	.00810	.03150	.05490	.10620	.05690
-3.741	-.042	.13470	.01330	-.02300	-.03150	-.02490	-.00720	.02440	.04710	.08070	.03110
-3.909	3.961	.07540	-.01410	-.03720	-.04720	-.03110	-.00630	.01730	.03450	.07410	.02740
	GRADIENT	-.02280	-.00906	-.00554	-.00552	-.00331	-.00180	-.00177	-.00255	-.00401	-.00368

RUN NO. 146/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.781	-4.042	.27330	.04510	-.01750	-.02330	-.02690	-.01840	-.00050	.02530	.08430	.03420
.044	-.046	.16020	.00240	-.04310	-.05080	-.05250	-.04200	-.00550	.00020	.05320	-.00230
.522	3.958	.08190	-.02600	-.07920	-.07420	-.05950	-.02440	-.02440	-.01420	.03800	-.01490
	GRADIENT	-.02392	-.00889	-.00606	-.00699	-.00591	-.00515	-.00299	-.00494	-.00579	-.00614

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(BE5049) (22 JAN 76)

REFERENCE DATA

SREF = 2630.0000-SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1230.3000 IN. YMRP = .0000 IN. YT
 BREF = 1230.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 147/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.082	-4.045	.29970	.02590	-.01490	-.01820	-.02700	-.03890	-.04050	-.02480	.06140	.00860
4.034	-.046	.16760	-.01790	-.06570	-.06380	-.06320	-.07010	-.04160	-.03190	.03150	-.02770
4.100	3.961	.08790	-.04050	-.08330	-.09370	-.09130	-.07290	-.02870	-.03530	.02170	-.03370
	GRADIENT	-.02645	-.00829	-.00854	-.00943	-.00803	-.00425	.00147	-.00131	-.00496	-.00528

PARAMETRIC DATA

MACH =
 ELV-IB =
 2.600 PT = 15.100
 8.000 ELV-OB = -4.000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(BE5050) (22 JAN 76)

REFERENCE DATA

SREF = 2630.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1230.3000 IN. YMRP = .0000 IN. YT
 BREF = 1230.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 148/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.960	-3.986	.18640	.08030	.02860	.01990	.00960	-.00180	.00850	.03850	.14240	.05580
-4.050	-1.995	.14440	.06220	.01450	.00690	.00040	-.00750	.00570	.02960	.13350	.04060
-3.903	.008	.10760	.03760	.00490	-.00650	-.01070	-.01490	-.00580	.02350	.12330	.03770
-3.822	2.014	.07830	.01980	-.00800	-.01860	-.01670	-.02010	-.00260	.02130	.11270	.03030
-3.875	4.017	.05940	.01110	-.01430	-.02490	-.01920	-.01090	-.00100	.02370	.11200	.02560
	GRADIENT	-.01599	-.00903	-.00541	-.00575	-.00373	-.00154	-.00136	-.00189	-.00408	-.00353

PARAMETRIC DATA

MACH =
 ELV-IB =
 3.000 PT = 15.100
 8.000 ELV-OB = -4.000

RUN NO. 149/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-1.666	-3.989	.16280	.05830	.00850	-.00330	-.01360	-.02650	-.02350	-.00180	.12440	.03320
-1.438	-1.989	.12190	.04110	-.00640	-.01470	-.02610	-.03680	-.02310	-.00600	.10520	.01300
-.094	.014	.08090	.01960	-.02480	-.03280	-.04000	-.04880	-.04040	-.02070	.09320	-.00110
.072	2.017	.05550	.00280	-.02840	-.04520	-.04860	-.05470	-.03590	-.03070	.08890	-.00560
.487	4.011	.03940	-.01310	-.04090	-.05230	-.05650	-.04850	-.04850	-.02980	.08170	-.01220
	GRADIENT	-.01561	-.00905	-.00604	-.00642	-.00541	-.00404	-.00414	-.00403	-.00508	-.00547

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 OF POOR QUALITY

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(BE5050) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-IB = 8.000 ELV-OB = -4.000

RUN NO. 150/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.022	-3.992	.19170	.04090	-.01600	-.02330	-.02590	-.03120	-.03620	-.02400	.09910	.01210
4.078	-1.989	.14630	.01440	-.03660	-.04650	-.05140	-.05330	-.04840	-.04610	.07980	-.00680
4.081	.011	.11000	-.00110	-.04910	-.08980	-.06660	-.07000	-.06010	-.05060	.07750	-.01750
4.050	2.011	.08560	-.00580	-.04870	-.05930	-.06610	-.06810	-.05850	-.04640	.07510	-.02200
4.016	4.014	.05430	-.01810	-.05530	-.06440	-.06930	-.07420	-.06060	-.05300	.06330	-.03430
	GRADIENT	-.01676	-.00691	-.00453	-.00475	-.00507	-.00505	-.00294	-.00291	-.00381	-.00540

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5051) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-IB = 8.000 ELV-OB = -4.000

RUN NO. 151/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.888	-3.989	.18360	.07750	.02660	.01780	.00760	-.00610	.00910	.03080	.14030	.05480
-3.950	-1.989	.14500	.05330	.01110	.00280	-.00480	-.01240	.00320	.03010	.13030	.04480
-3.910	.014	.10300	.03610	.00300	-.00690	-.01070	-.01790	-.00690	.02050	.11930	.03610
-3.922	2.008	.08040	.01990	-.00940	-.01930	-.01810	-.02160	-.00290	.01570	.10820	.02770
-3.997	4.008	.05960	.00910	-.01640	-.02740	-.02240	-.01260	-.00570	.02050	.10950	.02750
	GRADIENT	-.01564	-.00851	-.00533	-.00563	-.00367	-.00111	-.00179	-.00175	-.00419	-.00359

RUN NO. 152/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.903	-3.989	.16620	.05780	.00590	-.00020	-.00700	-.02250	-.01340	.00550	.12070	.03360
-.566	-1.995	.12100	.04130	-.00900	-.01520	-.02510	-.03840	-.02090	-.00460	.10240	.01270
-.119	.011	.07920	.01020	-.03940	-.03820	-.04660	-.05490	-.03860	-.01800	.09100	.00060
.131	2.014	.05680	.00100	-.03360	-.04270	-.05340	-.05530	-.04390	-.02640	.08560	-.00410
.387	4.008	.03880	-.01020	-.04660	-.05920	-.06030	-.05650	-.03490	-.02190	.08190	-.00280
	GRADIENT	-.01595	-.00881	-.00553	-.00727	-.00674	-.00424	-.00330	-.00383	-.00472	-.00448

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5051) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 153/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.972	-3.989	.19170	.03330	-.01870	-.02290	-.02590	-.03310	-.03390	-.02590	.09510	.01070
4.009	-1.992	.15090	.01220	-.04030	-.04870	-.05410	-.05570	-.04800	-.04420	.07590	-.00620
4.006	.005	.12230	.00480	-.04730	-.05830	-.05940	-.06360	-.04840	-.04000	.07500	-.01280
4.065	2.014	.08140	-.01760	-.05990	-.07170	-.07700	-.08080	-.05340	-.04420	.07780	-.01080
4.072	4.011	.05960	-.02440	-.06060	-.07120	-.07730	-.07610	-.03850	-.03550	.07360	-.01870
	GRADIENT	-.01668	-.00726	-.00517	-.00599	-.00628	-.00550	-.00073	-.00096	-.00205	-.00317

ARC97-044 1A82 OTS SRB-OFF MPS-OFF

(BE5052) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 154/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.213	-4.083	.17010	.10170	.05540	.04140	.03220	.01360	-.00550	.01770	.21510	-.06540
-4.197	-2.083	.11770	.04960	.01940	.00770	-.00100	-.01150	-.02080	-.00450	.19210	.03840
-4.181	-.083	.09350	.03850	.00890	.00140	-.00440	-.01550	-.02480	-.01550	.18400	.02850
-4.262	1.914	.07410	.02070	.00290	-.00710	-.00480	-.01700	-.02800	-.01700	.17710	.02270
-4.225	3.914	.04950	.00710	-.01610	-.02250	-.02890	-.02600	-.03060	-.01320	.17910	.02600
	GRADIENT	-.01425	-.01091	-.00798	-.00713	-.00630	-.00424	-.00287	-.00372	-.00435	-.00473

RUN NO. 155/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-1.066	-4.086	.15550	.07570	.03810	.02130	.00950	-.00770	-.02680	-.01000	.19110	.04150
-.750	-2.089	.12040	.05130	.01760	.00080	-.00680	-.02820	-.04570	-.02880	.18310	.02880
-.372	-.089	.08570	.02770	-.01990	-.01990	-.02860	-.04020	-.04710	-.01930	.16650	.00700
-.109	1.914	.06260	.00810	-.01690	-.02490	-.02840	-.04050	-.04230	-.04110	.15270	-.00740
.215	3.917	.04120	-.01210	-.03240	-.03940	-.04340	-.05040	-.05730	-.06140	.14490	-.01350
	GRADIENT	-.01431	-.01093	-.00877	-.00735	-.00627	-.00498	-.00288	-.00575	-.00614	-.00731

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(BE5052) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-IB = 8.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 156/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.837	-4.083	.13290	.04650	-.00050	-.01210	-.01730	-.03010	-.03300	-.03410	.17720	.02280
3.759	-2.089	.09440	.01830	-.02470	-.03810	-.04330	-.04970	-.05380	-.05090	.15810	.00090
3.697	-.086	.07840	.00820	-.03060	-.04280	-.04050	-.05500	-.06430	-.06250	.15060	-.00830
3.781	1.914	.05540	-.00380	-.03580	-.04970	-.05840	-.06660	-.06950	-.05670	.14990	-.01300
3.706	3.911	.03990	-.01810	-.04420	-.05640	-.06400	-.06570	-.06690	-.06400	.13880	-.02480
	GRADIENT	-.01125	-.00757	-.00493	-.00501	-.00543	-.00441	-.00418	-.00328	-.00425	-.00546

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5053) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-IB = 8.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 157/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.282	-4.082	.17160	.09400	.05410	.04540	.03550	.01350	-.00040	.01820	.21250	.06720
-4.166	-2.089	.14050	.06240	.03170	.01950	.01430	-.00190	-.00880	.00680	.18970	.03940
-4.150	-.089	.09790	.03290	.00220	-.00590	-.01120	-.02100	-.01230	-.00300	.18150	.03390
-4.294	1.914	.08580	.02440	-.01030	-.01030	-.01380	-.01840	-.01030	-.00910	.17860	.03990
-4.169	3.917	.05750	.00360	-.01950	-.02010	-.02300	-.02350	-.01720	-.00910	.17780	.03560
	GRADIENT	-.01413	-.01093	-.00945	-.00803	-.00725	-.00453	-.00175	-.00352	-.00402	-.00313

RUN NO. 158/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.979	-4.089	.15230	.07360	.02440	.01110	.00360	-.01320	-.02350	.01320	.18830	.04550
-4.775	-2.083	.13190	.05690	.01020	-.00480	-.01700	-.01980	-.02560	-.01580	.18730	.04340
-4.356	-.086	.10150	.03670	.00090	-.01130	-.02220	-.03260	-.02980	-.00950	.17270	.01890
-4.047	1.911	.06130	-.00200	-.02050	-.03040	-.03910	-.04840	-.03100	-.02340	.16460	.01190
.418	3.917	.05640	-.00480	-.02790	-.03770	-.04110	-.05090	-.02210	-.00420	.17300	.03300
	GRADIENT	-.01311	-.01078	-.00676	-.00616	-.00557	-.00520	-.00012	.00052	-.00266	-.00282

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5053) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.F.T.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH ₂ =	3.500	PT =	15.100
ELV-1B =	8.000	ELV-0B =	-4.000

PARAMETRIC DATA

	BETA	RUN NO.	159/ 0	RN/L =	1.61	GRADIENT INTERVAL =	-5.00/	5.00/
ALPHA		CP161	CP162	CP163	CP164	CP165	CP166	CP167
3.722	-4.092	.14640	.04220	-.00130	-.01570	-.02330	-.03430	-.02799
3.750	-2.092	.11830	.03140	-.02590	-.03750	-.04440	-.04790	-.03861
3.725	-.083	.08990	.01040	-.03610	-.04600	-.05580	-.04940	-.02330
3.791	1.908	.07550	-.00140	-.03500	-.04250	-.05690	-.06730	-.05640
3.755	3.914	.05370	-.01450	-.00430	-.05200	-.05720	-.05320	-.02490
	GRA ENT	-.01140	-.00731	-.00466	-.00388	-.00401	-.00286	-.00095

REFERENCE DATA

SREF =	2690.0000	SO.FT.	XMRP =	976.0000	IN. YI
LREF =	1290.3000	IN.	YMRP =	.0000	IN. YI
BREF =	1290.3000	IN.	ZMRP =	400.0000	IN. YI
SCALE =	.0100				

MACH	=	2.600	PT	=	15.100
ELV-18	=	8.000	ELV-08	=	.000

PARAMETRIC DATA

ALPHA	BETA	RUN NO.	160 / 0	RN/L =	2.69	GRADIENT INTERVAL =	-5.00 /	5.00
3.765	.042	CP161	CP162	CP163	CP164	CP165	CP166	CP167
		.13470	.01710	-.02080	-.02860	-.02280	-.00460	.02655
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ALPHA	BETA	RUN NO.	161 / 0	RN/L =	2.68	GRADIENT INTERVAL =	-5.00 /	5.00
		CP161	CP162	CP163	CP164	CP165	CP166	CP167

[illegible]

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5055)

10 22 JAN 76

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-18 = 8.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 163/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.819	.039	.13740	.01950	-.01710	-.02530	-.01900	-.00030	.03130	.04720	.08040	.03150
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 164/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.587	-4.045	.27130	.03970	-.01670	-.02130	-.02600	-.01800	.00310	.02790	.08180	.03200
-.103	-.042	.15950	-.00110	-.04420	-.05250	-.05410	-.04120	-.00330	.00460	.05320	-.00230
.666	3.958	.08250	-.02950	-.06750	-.07930	-.07410	-.05870	-.02370	-.01680	.03950	-.01260
	GRADIENT	-.02359	-.00865	-.00635	-.00725	-.00601	-.00509	-.00335	-.00559	-.00529	-.00557

RUN NO. 165/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.981	-.039	.17030	-.01740	-.06640	-.06530	-.06810	-.07220	-.04360	-.03260	.03080	-.02720
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(BE5056)

10 22 JAN 76

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-18 = 8.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 166/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.978	.014	.10820	.03770	.00490	-.00570	-.00920	-.01450	-.00500	.02470	.12360	.03720
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 167/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.638	-3.992	.16330	.05800	.00700	-.00180	-.01140	-.02620	-.02130	.00310	.12400	.03180
.022	.011	.07960	.01550	-.02350	-.03190	-.04030	-.04940	-.03910	-.01810	.03350	-.00060
.578	-4.014	.03940	-.01120	-.04100	-.05010	-.05200	-.05390	-.04360	-.02230	.08350	-.01210
	GRADIENT	-.01548	-.00864	-.00600	-.00603	-.00507	-.00346	-.00279	-.00317	-.00506	-.00548

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TABULATED SOURCE DATA - 1A82C

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(8E5056) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH -
ELV-1B₂ -

PARAMETRIC DATA

RUN NO.	168/ 0	RN/L =	2.12	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH
ELV-1B
= 2

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5057) (22 JAN 76)

REFERENCE DATA

	RUN NO.	169 / 0	RN/L =
ALPHA	BETA	CP161	CP162 CP163
-3.875	.014	-11180	.03870 .00500

RUN NO.	169/ 0	RN/L = 2.11	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

PARAMETRIC DATA

RUN NO.	170/ 0	RN/L = 2.11	GRADIENT INTERVAL = -5.00/ 5.00
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	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
BETA										
-3.986	1.7030	.06190	.01020	-.00750	-.00880	-.02370	-.01380	.00680	.12410	.03520
-.182	.08940	.02210	-.01920	-.02090	-.03640	-.04480	-.03110	-.01290	.00420	.00420
.597	.04360	.01080	-.03850	-.04840	-.05150	-.05030	-.03020	.01840	.08550	-.00080
GRADIENT										
	-.01584	-.00909	-.00609	-.00599	-.00534	-.00333	-.00205	-.00315	-.00483	-.00450

REFERENCE DATA

RUN NO.	171/ 0	RN/L = 2.11	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(BE5058) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 172/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.240	-0.089	.10450	.04410	.01620	.00800	.00860	-.01000	-.01580	-.00650	.18790	.03060
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 173/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-9.13	-4.083	.15300	.08050	.03400	.02130	.01200	-.00720	-.02690	-.01120	.19480	.04160
-.347	-.089	.08870	.03060	-.01130	-.02300	-.02880	-.03930	-.05210	-.02880	.17020	.00880
.209	3.914	.03830	-.01630	-.03550	-.04080	-.04950	-.05060	-.05760	-.05330	.14790	-.01350
	GRADIENT	-.01434	-.01210	-.00869	-.00776	-.00769	-.00543	-.00384	-.00552	-.00586	-.00689

RUN NO. 174/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.791	-.083	.07900	.00750	-.03260	-.04430	-.05060	-.06050	-.06580	-.05940	.15340	-.00800
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 175/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.172	-.083	.10790	.04340	.01320	.00570	-.00130	-.01120	-.00940	-.00420	.18630	.03550
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 176/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-1.072	-4.086	.15810	.07560	.02610	.01390	.00350	-.01220	-.02150	-.00820	.19040	.04510
-.381	-.089	.09150	.02800	-.01040	-.01740	-.02610	-.04130	-.03600	-.01620	.17530	.01830
.409	3.917	.04860	-.01250	-.03340	-.04160	-.04510	-.05030	-.02240	-.01190	.17570	.03450
	GRADIENT	-.01368	-.01101	-.00743	-.00693	-.00607	-.00476	-.00011	-.00046	-.00184	-.00132

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 8.000 ELV-08 = .000

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 8.000 ELV-08 = .000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5059) (22 JAN 76)

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5059) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 177/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.747	-.086	.08760	.00850	-.03690	-.04800	-.05210	-.05030	-.02180	-.01130	.18660	.05070
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-08 = .000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(BE5060) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 178/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.912	-4.039	.25510	.05940	.00500	-.00270	-.00520	.01320	.03470	.05810	.10910	.06050
-4.016	-.042	.13570	.01890	-.01760	-.02830	-.02150	-.00310	.02720	.04450	.07850	.02950
-3.853	3.964	.07420	-.01490	-.03590	-.04360	-.02620	-.00670	.01700	.03520	.07550	.02880
	GRADIENT	-.02260	-.00928	-.00511	-.00511	-.00262	-.00249	-.00221	-.00286	-.00420	-.00396

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-08 = .000

RUN NO. 179/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-5.46	-4.045	.27580	.04070	-.01720	-.02250	-.02720	-.02140	-.00870	.02330	.08360	.03260
.053	-.036	.16140	.00120	-.04670	-.05330	-.05500	-.04530	-.01150	-.00240	.05170	-.00330
.659	3.967	.08500	-.02750	-.06750	-.07930	-.07570	-.06080	-.03250	-.01480	.03800	-.01620
	GRADIENT	-.02391	-.00851	-.00628	-.00709	-.00605	-.00492	-.00297	-.00476	-.00569	-.00609

RUN NO. 180/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.882	-4.042	.29460	.02530	-.01570	-.01980	-.02760	-.03640	-.04210	-.02450	.06120	.00830
4.034	-.042	.16550	-.01890	-.06910	-.06770	-.07300	-.07300	-.04680	-.03740	.03050	-.02840
4.154	3.961	.08990	-.04060	-.08490	-.09450	-.09200	-.07580	-.04280	-.03780	.02090	-.04050
	GRADIENT	-.02558	-.00823	-.00865	-.00933	-.00895	-.00492	-.00009	-.00166	-.00504	-.00610

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(8E50619) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.500 PT = 15.100
 ELV-1B = 10.000 ELV-08 = .000

RUN NO. 181/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.890	-4.042	.25800	.05790	.00590	-.00210	-.00430	.01050	.03500	.05680	.10770	.05930
-3.900	-.042	.13520	.01610	-.02020	-.02900	-.02270	-.00450	.02660	.04560	.07830	.02990
-3.940	3.958	.07610	-.01370	-.03440	-.04240	-.02390	-.00540	-.02040	.03670	.07670	.02990
	GRADIENT	-.02274	-.00895	-.00504	-.00504	-.00245	-.00199	-.00183	-.00251	-.00388	-.00368

RUN NO. 182/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-1.634	-4.039	.27330	.04200	-.01590	-.02140	-.02550	-.01700	.00280	.02820	.08190	.03230
-.063	-.039	.15800	.00030	-.04790	-.05480	-.05730	-.04600	-.00740	-.00050	.05290	-.00210
.788	3.958	.07940	-.03100	-.06960	-.08150	-.07620	-.06190	-.02630	-.01850	.03790	-.01410
	GRADIENT	-.02425	-.00913	-.00672	-.00752	-.00634	-.00561	-.00364	-.00584	-.00550	-.00580

RUN NO. 183/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
4.060	-4.045	.29460	.01950	-.01880	-.02240	-.02930	-.04150	-.04120	-.02800	.06020	.00870
4.009	-.042	.16530	-.01900	-.06920	-.06760	-.06700	-.07360	-.04080	-.03330	.03040	-.02810
4.019	3.954	.08430	-.04580	-.09000	-.09880	-.09600	-.08090	-.03420	-.04200	.01970	-.03510
	GRADIENT	-.02629	-.00816	-.00890	-.00955	-.00834	-.00493	.00087	-.00175	-.00506	-.00548

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-08 = .000

RUN NO. 184/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-3.963	-3.995	.16600	.08140	.03070	.02270	.01250	.00300	.01170	.03910	.14300	.05670
-4.050	.008	.10790	.03870	.00560	-.00620	-.00740	-.01350	-.00510	.02530	.12250	.03810
-4.038	4.014	.05800	.00920	-.01550	-.02510	-.01820	-.01170	-.00300	.02030	.11340	.02780
	GRADIENT	-.01598	-.00901	-.00577	-.00597	-.00383	-.00184	-.00184	-.00235	-.00370	-.00361

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(8E5062) (22 JAN 76)

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(BE5062) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

3.000 PT = 15.100
 10.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 185/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-713	-3.989	.16970	.06030	.00810	.00010	-.01020	-.02470	-.02120	.00160	.12350	.03320
-.091	.011	.08500	.02080	-.01880	-.02750	-.03550	-.04570	-.03620	-.01530	.09250	-.00070
.581	4.014	.04180	-.01000	-.03960	-.04310	-.05180	-.05480	-.04150	-.02480	.08220	-.01100
	GRADIENT	-.01598	-.00978	-.00596	-.00615	-.00520	-.00376	-.00254	-.00330	-.00516	-.00552

RUN NO. 186/ 0 PN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.887	-3.986	.19980	.03710	-.01660	-.02150	-.02490	-.03260	-.03520	-.02420	.09940	.01380
3.825	.011	.11370	.00460	-.04370	-.05520	-.06240	-.06540	-.05440	-.04340	.07720	-.01790
4.062	4.011	.04650	-.02950	-.06490	-.07520	-.08020	-.08130	-.06840	-.06150	.06240	-.03470
	GRADIENT	-.01792	-.00933	-.00604	-.00671	-.00691	-.00609	-.00415	-.00466	-.00463	-.00606

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

3.000 PT = 15.100
 10.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 187/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.053	-3.989	.19100	.08000	.02900	.02370	.01530	-.00100	.01610	.04040	.14260	.05830
-4.200	.011	.11300	.04120	.00810	-.00290	-.00670	-.01160	.00170	.02830	.12300	.04100
-4.135	4.011	.05760	.00850	-.01740	-.02630	-.02040	-.01210	-.00100	.02370	.11450	.03280
	GRADIENT	-.01668	-.00894	-.00580	-.00633	-.00446	-.00139	-.00214	-.00209	-.00351	-.00319

RUN NO. 188/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-709	-3.995	.17360	.06150	.00980	.00100	-.00890	-.02370	-.01230	.00750	.12280	.03590
-.041	.008	.09150	.02200	-.01910	-.02780	-.03540	-.04530	-.03080	-.01340	.09050	.00010
.525	4.008	.04370	-.00910	-.03800	-.05170	-.05550	-.05510	-.03120	-.01980	.08280	-.00190
	GRADIENT	-.01623	-.00882	-.00597	-.00659	-.00582	-.00392	-.00236	-.00341	-.00500	-.00472

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(BE5063) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(8E5063) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 189/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.909	-3.992	.19640	.03780	-.01580	-.02150	-.02450	-.03180	-.03440	-.02300	.09500	.01170
3.993	.011	.11890	.00290	-.04530	-.05600	-.06320	-.06660	-.04530	-.03960	.07660	-.01220
3.859	4.017	.05500	-.02520	-.05790	-.06890	-.07120	-.07460	-.04000	-.03770	.07420	-.01660
	GRADIENT	-.01765	-.00787	-.00526	-.00592	-.00583	-.00534	-.00070	-.00184	-.00260	-.00353

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(8E5064) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 190/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.213	-4.080	.16530	.09610	.04670	.03450	.02460	.00660	-.01320	.01410	.21710	.06790
-4.384	-.086	.10000	.04010	.01210	.00460	-.00300	-.01350	-.02280	-.01110	.18220	.02760
-4.360	3.914	.04950	.00010	-.01450	-.02090	-.02380	-.02670	-.03130	-.01390	.17720	.02500
	GRADIENT	-.01449	-.01201	-.00766	-.00593	-.00605	-.00417	-.00226	-.00350	-.00499	-.00537

RUN NO. 191/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-1.016	-4.083	.15090	.07640	.02700	.01420	.00430	-.01380	-.03180	.01670	.18960	.04140
-.294	-.086	.08810	.03170	-.00840	-.01940	-.02700	-.03860	-.05200	-.02870	.16640	.00780
.359	3.914	.03950	-.01330	-.03430	-.04060	-.04360	-.05110	-.05590	-.05520	.14280	-.01570
	GRADIENT	-.01393	-.01122	-.00767	-.00685	-.00599	-.00466	-.00300	-.00481	-.00585	-.00714

RUN NO. 192/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.775	-4.092	.13390	.04800	.00220	-.01170	-.01640	-.02680	-.03030	-.02510	.18090	.02660
3.675	-.086	.07690	.00900	-.02880	-.04100	-.04730	-.05900	-.06300	-.05950	.15020	-.00820
3.665	3.920	.03190	-.02400	-.04960	-.05710	-.06290	-.06700	-.06820	-.06530	.13690	-.02580
	GRADIENT	-.01273	-.00899	-.00646	-.00567	-.00580	-.00502	-.00473	-.00502	-.00549	-.00654

ARC87-044 IAB2 OTS SRB-NOM MPS-NOM

(8E5065) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	3.500	PT	=	15.100
ELV-1B	=	10.000	ELV-08	=	.000

PARAMETRIC DATA

RUN NO.	193/ 0	RN/L = 1.62	GRADIENT INTERVAL = -5.00/ 5.00
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	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
ALPHA											
-4.288	-4.086	.17810	.10220	.05240	.04140	.02920	.01300	.00090	.02110	.21410	.06880
-4.228	-.083	.10890	.04290	.01450	.00640	.00060	-.00810	-.00640	-.00580	.18170	.03350
-4.303	3.917	.05710	.00510	-.01170	-.02100	-.02270	-.02270	-.01630	-.00650	.17750	.03520
GRADIENT		-.01512	-.01213	-.00801	-.00780	-.00649	-.00446	-.00215	-.00345	-.00457	-.00420

RUN NO.	194/ 0	RN/L = 1.62	GRADIENT INTERVAL = -5.00/ 5.00
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ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.950	-4.089	.16430	.08210	.03000	.01720	.00570	-.01050	-.01920	-.00760	.18960	.04790
-.194	-.089	.09940	.03280	-.00250	-.01460	-.01690	-.03140	-.03140	-.01290	.17310	.02090
.325	3.917	.05580	-.00910	-.03340	-.03860	.04150	-.04730	-.02700	-.02060	.16750	.02990
GRADIENT		-.01355	-.01139	-.00792	-.00697	-.00590	-.00460	-.00097	-.00162	-.00276	-.00225

RUN NO.	195/ 0	RN/L = 1.62	GRADIENT INTERVAL = -5.00/ 5.00
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	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
ALPHA											
	3.690	.14570	.04490	.00430	-.00720	-.01650	-.03160	-.02460	-.02350	.18080	.03680
	3.716	.09080	.01260	-.02670	-.03890	-.04530	-.01340	-.01340	-.00070	.18570	.05330
	3.697	.04250	-.02290	.05130	-.05940	.06520	-.06060	.02870	-.02060	.16800	.04070
GRADIENT		-.01285	-.00845	-.00693	-.00651	-.00607	-.00362	-.00051	.00036	-.00160	.00049

REFERENCE DATA

SREF	=	2690.0000	SO. FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	2.600	PT.	=	15.100
ELV-1B	=	.000	ELV-0B	=	.000

PARAMETRIC DATA

RUN NO.	196/ 0	RN/L = 2.50	GRADIENT INTERVAL = -5.00/ 5.00
1	196/ 0	RN/L = 2.50	GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(BE5066) (22 JAN 76)

ARC87-044 1A82 OTS SRS-NOM MPS-NOM (NO. 1 OFF)

(BE5066) , 22 JAN 76

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH
ELV-1B

RUN NO.	197/ 0	RN/L =	2.61	GRADIENT INTERVAL =	-5.00/ 5.00
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	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
ALPHA										
BETA										
	-4.042									
	.26490	.03710	-.02410	-.02860	-.02690	-.02190	-.00020	.02490	.08150	.03190
	.15710	.00190	-.04920	-.05770	-.05630	-.05250	-.01160	.00190	.05250	-.00340
	3.954			-.07470	-.07010	-.05580	-.02190	-.00790	.03750	-.01450
GRADIENT	.08420	-.02440	.05910	-.07470	-.07010	-.05580	-.02190	-.00790	.03750	-.01450
	-.02260	-.00769	-.00438	-.00577	-.00540	-.00424	-.00271	-.00410	-.00550	-.00580

RUN NO.	198/ 0	BN/L = 2.60	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO. 1 OFF)

(8E5067) (22 JAN. 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH
ELV-18

RUN NO.	199/ 0	RN/L = 2.11	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

RUN NO.	200/ 0	RN/L = 2.10	GRADIENT INTERVAL = -5.00/ 5.00
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ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.691	-3.986	.16820	.05890	.00750	-.00040	-.00770	-.02630	-.01180	.00410	.12330	.03750
.015	.008	.08180	.01600	-.02200	-.03110	-.03720	-.05280	-.03750	-.01780	.09300	.00420
.503	4.011	.03970	-.01800	-.04040	-.05450	-.05410	-.04650	-.03280	-.01760	.08640	.00140
	GRADIENT	-.01619	-.00462	-.00600	-.00676	-.00580	-.00252	-.00262	-.00271	-.00461	-.00451

RUN NO.	2017 0	RN/I	=	2.10	GRADIENT	INTERVAL	=	-5.00%	5.00
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[illegible]

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(BE5068) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 202/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.287	-4.083	.08920	.01290	-.00220	-.00860	-.02380	-.02320	-.01740	-.02440	.18490	.03780
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 203/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.290	-4.086	.08630	.02480	-.01470	-.03620	-.04140	-.03850	-.03270	-.01940	.17590	.02180
	GRADIENT	.00000	.00810	-.01900	-.03110	-.03740	-.04210	-.01210	-.00920	.17550	.03660
		-.01207	-.00856	-.00575	-.00544	-.00549	-.00257	.00315	-.00094	-.00199	-.00196

RUN NO. 204/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.803	-4.089	.09430	.01420	-.02460	-.03570	-.03450	-.04030	-.01530	-.01130	.18100	.04540
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

(BE5069) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 205/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.116	-4.046	.13030	.01630	-.01820	-.02950	-.02150	-.00600	.02680	.04470	.08170	.03070
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 206/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.693	-4.042	.26570	.04060	-.01570	-.02090	-.02620	-.01930	-.00060	.02410	.08130	.02950
	GRADIENT	.00000	-.00240	-.04810	-.05640	-.05750	-.04480	-.00790	-.00020	.00520	.00320
		.07580	-.03130	-.06970	-.08190	-.07630	-.06310	-.02890	-.01560	.03970	.01540
		-.02375	-.00899	-.00675	-.00763	-.00627	-.00548	-.00354	-.00496	-.00520	-.00562

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ARC87-044 1A82 QTS SRB-NOM MPS-NOM (NO.2 OFF)

(690538)

JAN 22 1976

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	207	0	RN/L	=	2.65	GRADIENT INTERVAL	=	-5.00	/	5.00
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[illegible]

MACH	=	2.600	PT	=	15.100
ELV-18	=	.000	ELV-08	=	.000

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	208/ 0	RN/L =	2:12	GRADIENT INTERVAL =	-5.00/	5.00
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	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
ALPHA	4.097										
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
	.011	.10550	.03310	-.00200	-.01270	-.01570	-.02110	-.00540	.01630	.12490	.03990

MACH	=	3.000	PT	=	15.100
ELV-IB	=	.000	ELV-OB	=	.000

Run

ALPHA	BETA	CP161	CP162	CP163
-.834	-3.986	.16950	.06720	.01410
-.056	.011	.07830	.01380	-.02080
.481	4.008	.04170	-.00920	-.04110
	GRADIENT	-.01599	-.00956	-.00691

	CP168	CP169	CP170
1	.00850	.12350	.03650
2	-.01470	.09380	.00300
3	-.01450	.09060	.00480
4	-.00288	-.00412	-.00397

Run

ALPHA	BETA	CP161	CP162	CP163
3.937	.014	.12170	.00460	-.04580
	GRADIENT	.00000	.00000	.00000

RUN NO.	210/ 0	RN/L =	2.11	GRADIENT	INTERVAL =	-5.00/	5.00
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CP168	CP169	CP170
- .03060	.08480	.00280
.00000	.00000	.00000

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

(BE5071) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 211/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.225	-0.083	.10600	.04670	.01590	.00890	.00020	-.00740	.00710	.01290	.19540	.05320
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 212/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-0.957	-4.083	.15770	.07540	.02320	.00110	-.00580	.00060	-.01450	-.00520	.19730	.05620
-0.291	-0.086	.10700	.03960	.00010	-.01500	-.02370	-.03420	-.01850	.00130	.18380	.02940
.231	3.914	.04450	-.01410	-.03390	-.04090	-.04260	-.04900	-.01820	-.01880	.17310	.02160
	GRADIENT	-.01416	-.01119	-.00714	-.00525	-.00460	-.00620	-.00046	-.00170	-.00303	-.00433

RUN NO. 213/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.719	-0.086	.08490	.00090	-.02240	-.03990	-.03700	-.05740	-.03350	-.02300	.18470	.04300
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OT MPS-NOM (NO.2 OFF)

(BE5072) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 214/ 0 RN/L = 1.72 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.334	-0.086	.10400	.03110	.00740	.01310	.00790	-.00480	-.01290	-.00070	.18580	.03800
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 215/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-0.857	-4.086	.14490	.03140	.00750	.00630	-.00240	.00460	-.01930	.00400	.20560	.06010
-0.194	-0.086	.09670	.02110	-.00080	-.00310	-.01700	-.02040	-.03200	-.01230	.17200	.02080
.465	3.914	.01720	-.03750	-.05500	-.05790	-.05560	-.06610	-.05850	-.04510	.13510	-.02190
	GRADIENT	-.01556	-.00861	-.00781	-.00803	-.00665	-.00884	-.00490	-.00614	-.00881	-.01025

ARC87-044 1A82 OT MPS-NOM (NO.2 OFF)

(BE5072) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

RUN NO. 216/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.840	3.917	.00870	-.04470	-.06270	-.06450	-.05350	-.05230	-.05870	-.05230	.14640	-.00840
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OT MPS-NOM (NO.1 OFF)

(BE5073) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

RUN NO. 217/ 0 RN/L = 1.73 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.272	-.086	.07110	-.01830	-.03690	-.03580	-.03810	-.04100	-.05100	-.04570	.18290	.03510
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 218/ 0 RN/L = 1.71 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-1.907	-4.089	.15340	.05030	.02430	.02480	.01900	.00690	.00110	.01210	.20390	.05970
-.216	-.083	.06750	-.00560	-.02360	-.02710	-.02830	-.03410	-.04680	-.03120	.16940	.01820
.247	3.914	.03310	-.02750	-.03680	-.04020	-.04310	-.04660	-.04540	-.03680	.15000	-.00460
	GRADIENT	-.01503	-.00972	-.00764	-.00812	-.00776	-.00669	-.00581	-.00611	-.00674	-.00804

RUN NO. 219/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.944	-.083	.04520	-.02530	-.04510	-.04680	-.04680	-.05730	-.06260	-.04390	.16220	.01390
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

PARAMETRIC DATA

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ARC87-044 1A82 OT MPS-OFF

(BE5074) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

3.500 PT = 15.100
 .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 220/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.344	-0.083	.08190	-.01860	-.03970	-.03850	-.04080	-.04490	-.05600	-.02450	.19080	.03940
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 221/ 0 RN/L = 1.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.919	-4.086	.14580	.04080	.01920	.02150	.00170	-.00530	-.02160	-.00060	.20740	.05950
-.044	-.086	.08910	.01220	-.00580	-.00810	-.01440	-.01440	-.02140	-.00750	.17430	.02000
.347	3.920	.02060	-.01120	-.03770	-.04000	-.03710	-.03710	-.03710	-.02840	.15620	-.00200
	GRADIENT	-.01564	-.00649	-.00595	-.00739	-.00521	-.00397	-.00194	-.00347	-.00639	-.00768

RUN NO. 222/ 0 RN/L = 1.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.800	-0.083	.05620	-.01290	-.03150	-.03440	-.03620	-.04200	-.04430	-.05190	.17060	.01820
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

3.500 PT = 15.100
 .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 223/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.090	-0.083	.08680	.00540	-.02250	-.00620	-.01260	-.02250	-.02250	-.01500	.19140	.03980
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 224/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.800	-4.086	.17620	.07320	.04680	.04450	.04160	.03120	.02090	.06340	.21120	.06360
-.106	-.086	.05140	-.02550	-.04420	-.04930	-.04940	-.04940	-.05980	-.01740	.17850	.02390
.509	3.914	.02240	-.03270	-.05130	-.05300	-.04840	-.03330	-.03620	-.04610	.15730	-.00210
	GRADIENT	-.01923	-.01324	-.01226	-.01219	-.01125	-.00806	-.00714	-.01369	-.00674	-.00821

ARC87-044 1A82 OT MPS-NOM

(BE5075) (22 JAN 76)

ARC87-044 1A82 OT MPS-NOM

(BE5075) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	225/ 0	RN/L =	1.67	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

MACH	=	3.500	PT	=	15.100
ELV-IB	=	.000	ELV-OB	=	.000

REFERENCE DATA

=	2690.0000	50. FT.	XMRP	=	976.0000	IN.	ZT
=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
=	.0100						

RUN NO.	226/ 0	RN/L =	1.67	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]

MACH	=	3.500	PT	=	15.100
ELV-1B	=	.000	ELV-0B	=	.000

RUN NO.	227/ 0	RN/L =	1.67	GRADIENT INTERVAL =	-5.00/	5.00
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	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
BETA										
- .860	.15020	.04500	.02300	.01260	.00970	-.00190	-.01870	-.01340	.21020	.06170
- .194	.06750	.01500	-.02170	-.03920	-.03100	-.02580	-.04970	-.02750	.17740	.02200
.459	.05070	.00170	-.02010	.02360	-.02470	-.01900	-.02760	.03400	.15810	-.00120
GRADIENT	-.01359	-.00584	-.00539	-.00453	-.00430	-.00214	-.00111	-.00258	-.00651	-.00786

RUN NO.	228/ 0	RN/L =	1.66	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]

PARAMETRIC DATA

ARC87-044 1A82 OT MPS-NOM-

(BE5076) (22 JAN 76)

PARAMETRIC DATA

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ARC87-044 1A82 OT MPS-NOM+

(BE5077) (22 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 229/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.175	-.083	.10940	.02090	.00180	.00240	.00870	.01450	.00870	.01100	.19130	.03900
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 230/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.810	-4.089	.14740	.05280	.00930	.04010	.03660	.00520	-.01280	.00520	.21110	.06290
-.194	-.086	.08360	-.01260	-.01380	-.01090	-.03370	-.04070	-.04940	-.02900	.17860	.02410
.581	3.914	.00510	-.04840	-.06530	-.07110	-.06870	-.05310	-.03500	-.02810	.15850	-.00060
	GRADIENT	-.01778	-.01265	-.00932	-.01389	-.01316	-.00729	-.00277	-.00416	-.00657	-.00793

RUN NO. 271/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.791	-.089	.07580	.00210	-.02890	-.01200	-.01610	-.04170	-.05330	-.03640	.17080	.01920
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OT MPS-NOM++

(BE5078) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 232/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.237	-.089	.05690	.01740	-.05370	-.01160	-.04050	-.05370	-.06290	-.04840	.25420	.02300
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 233/ 0 RN/L = .76 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-.678	-4.083	.08250	-.00050	-.03340	-.03730	-.07030	-.04000	-.01760	-.03470	.26280	.03540
-.159	-.083	.03910	-.01050	-.03920	-.06260	-.06550	-.05740	-.06790	-.05610	.23950	.00580
.462	3.911	-.02700	-.07190	-.08930	-.09700	-.09830	-.08640	-.07850	-.08900	.22020	-.01800
	GRADIENT	-.01370	-.00893	-.00695	-.00747	-.00350	-.00580	-.00762	-.00679	-.00533	-.00668

ARC87-044 1A82 07 MPS-NOM++

(BE5078) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO. FT.	XMRP	=	976.0000	IN. XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN. YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN. ZT
SCALE	=	.0100					

PARAMETRIC DATA

MACH	=	3.500	PT	=	6.700
ELV-IB	=	.000	ELV-OB	=	.000

RUN NO.	234/ 0	RN/L =	.78	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]

ARC87-044 I A82 OT MPS-NOM++

(BE5079) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

PARAMETRIC DATA

MACH	=	3.500	PT	=	6.700
ELV-IB	=	.000	ELV-OB	=	.000

RUN NO.	235/ 0	RN/L =	.79	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]

RUN NO.	236/ 0	RN/L =	.79	GRADIENT INTERVAL =	-5.00/ 5.00
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	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
ALPHA											
	-74.1	0.5300	-0.3140	-0.6170	-0.7100	-0.7620	-0.8410	-0.7750	-0.2740	0.2700	0.0450
	-197	0.086	-0.1630	-0.1110	-0.4250	-0.3200	-0.5560	-0.6870	-0.0680	0.24120	0.00880
	369	3.920	0.6470	-0.3650	-0.8560	-0.8300	-0.7350	-0.7260	-0.7120	0.22350	0.01270
GRADIENT		-0.00474	-0.00417	0.00289	-0.01183	-0.00086	0.01127	0.00061	-0.00547	-0.00581	-0.00715

RUN NO.	237/ 0	RN/L =	.79	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OT MPS-NOM+++

(BE5080) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT. = 6.700
 ELV-IB = .000 ELV-OB = .000

RUN NO. 238/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-4.016	-0.083	.06180	-.01570	-.03930	-.04190	-.04980	-.01170	-.02220	.00400	.25950	.02710
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 239/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
-1.963	-4.086	.08270	.03180	-.03470	-.01120	-.02160	-.03200	-.04640	-.01510	.26760	.04280
.387	3.914	.03080	-.04120	-.05430	-.02290	-.04640	-.07260	-.07520	-.06730	.24330	.01040
	GRADIENT	-.02170	-.08640	-.11150	-.11550	-.12210	-.09830	-.09170	-.09830	.22280	-.01680
		-.01305	-.01477	-.00960	-.01304	-.01256	-.00829	-.00565	-.01040	-.00560	-.00745

RUN NO. 240/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP161	CP162	CP163	CP164	CP165	CP166	CP167	CP168	CP169	CP170
3.769	-.086	-.01400	-.07530	-.10210	-.11260	-.11660	-.11920	-.13240	-.06260	.24210	.01200
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5001) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT. = 14.700
 ELV-IB = .000 ELV-OB = .000

RUN NO. 1/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.916	-3.992	-.04480	-.11530	-.12310	-.12340	-.12190	-.12500	-.12420	-.12270	-.12230	-.12230
-3.963	-1.986	-.04310	-.11350	-.12170	-.12210	-.12130	-.12370	-.12290	-.12210	-.12170	-.12170
-3.972	.008	-.04200	-.11250	-.12030	-.12150	-.12150	-.12380	-.12380	-.12220	-.12180	-.12180
-3.891	2.011	-.04210	-.11290	-.12110	-.12190	-.12190	-.12310	-.12340	-.12150	-.12150	-.12150
-3.941	4.011	-.04340	-.11310	-.12090	-.12210	-.12130	-.12280	-.12280	-.12090	-.11970	-.12050
	GRADIENT	.00019	.00025	.00025	.00014	.00003	.00025	.00012	.00021	.00027	.00019

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5001)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 14.700
 ELV-IB = .000 ELV-OB = .000

RUN NO. 2/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-0.066	-3.995	-0.4690	-1.1740	-1.2670	-1.2670	-1.2600	-1.2790	-1.2750	-1.2600	-1.2550	-1.2600
-0.038	-1.992	-0.4630	-1.1680	-1.2610	-1.2610	-1.2610	-1.2770	-1.2730	-1.2500	-1.2500	-1.2500
-0.060	.008	-0.4410	-1.1580	-1.2360	-1.2360	-1.2520	-1.2670	-1.2670	-1.2590	-1.2480	-1.2550
-0.072	2.005	-0.4440	-1.1560	-1.2380	-1.2380	-1.2460	-1.2610	-1.2610	-1.2420	-1.2340	-1.2340
-0.069	4.011	-0.4570	-1.1700	-1.2520	-1.2520	-1.2520	-1.2670	-1.2710	-1.2480	-1.2440	-1.2440
	GRADIENT	.00021	.00010	.00023	.00009	.00015	.00020	.00010	.00019	.00020	.00024

RUN NO. 3/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.019	-4.005	-0.4920	-1.2210	-1.3060	-1.3140	-1.3100	-1.3220	-1.3220	-1.2980	-1.2950	-1.3020
4.034	-1.986	-0.4760	-1.1970	-1.2790	-1.2910	-1.2910	-1.2980	-1.2980	-1.2750	-1.2630	-1.2750
3.987	.011	-0.4640	-1.1890	-1.2750	-1.2870	-1.2870	-1.2940	-1.2870	-1.2590	-1.2550	-1.2590
3.987	2.014	-0.4610	-1.1890	-1.2670	-1.2830	-1.2790	-1.2870	-1.2870	-1.2560	-1.2560	-1.2520
3.984	4.011	-0.4740	-1.2070	-1.2930	-1.3040	-1.2960	-1.3080	-1.3040	-1.2810	-1.2770	-1.2770
	GRADIENT	.00026	.00018	.00019	.00014	.00020	.00020	.00026	.00027	.00022	.00037

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5002)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-IB = .000 ELV-OB = .000

RUN NO. 4/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.671	-4.039	-1.0590	-1.4990	-1.5410	-1.5240	-1.5350	-1.5380	-1.5380	-1.5180	-1.5180	-1.5240
-3.781	-2.039	-1.0350	-1.4550	-1.5000	-1.4860	-1.4940	-1.4830	-1.4940	-1.4770	-1.4720	-1.4830
-3.764	-.042	-1.0000	-1.4220	-1.4640	-1.4670	-1.4700	-1.4780	-1.4780	-1.4700	-1.4700	-1.4720
-3.697	1.945	-1.0170	-1.4390	-1.4760	-1.4820	-1.4730	-1.4790	-1.4760	-1.4480	-1.4480	-1.4420
-3.587	3.958	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
	GRADIENT	.01071	.01511	.01557	.01530	.01549	.01544	.01551	.01536	.01534	.01548

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TABULATED SOURCE DATA - IA82C

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(CE5002) (22 JAN 76)

ARC87-044 IA82 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

2.600 PT.
 .000 ELV-08 = 14.700
 .000

PARAMETRIC DATA

RUN NO. 5/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.144	-4.045	-10820	-15380	-15830	-15720	-15770	-15690	-15770	-15580	-15520	-15610
.209	-2.046	-10650	-15150	-15520	-15490	-15520	-15460	-15520	-15270	-15210	-15290
.156	-.046	-10310	-14730	-15120	-15150	-15180	-15150	-15150	-14840	-14840	-14840
.150	1.961	-10530	-15090	-15480	-15510	-15510	-15510	-15450	-15170	-15200	-15110
.044	3.954	-10790	-15410	-15830	-15830	-15830	-15800	-15770	-15460	-15490	-15490
	GRADIENT	.00009	.00000	.00002	-.00012	-.00005	-.00013	.00004	.00017	.00004	.00021

RUN NO. 6/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.279	-4.042	-10900	-15720	-16170	-16140	-16140	-16060	-16080	-15940	-15920	-15970
4.231	-2.046	-10630	-15270	-15660	-15660	-15690	-15640	-15660	-15440	-15410	-15470
4.231	-.042	-10540	-15240	-15690	-15720	-15690	-15660	-15660	-15410	-15380	-15410
4.231	1.958	-10570	-15270	-15750	-15720	-15750	-15690	-15690	-15330	-15380	-15380
4.219	3.964	-10660	-15500	-16000	-16000	-16030	-15950	-15950	-15610	-15660	-15660
	GRADIENT	.00027	.00022	.00012	.00011	.00008	.00008	.00011	.00038	.00027	.00039

ARC87-044 IA82 OTS SRB-NOM MPS-NOM

(CE5003) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

2.600 PT.
 .000 ELV-08 = 14.700
 .000

PARAMETRIC DATA

RUN NO. 7/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.684	-4.042	-00220	-01140	-02950	-02450	-03530	-03450	-03560	-01530	-03360	-03420
-3.850	-2.046	-00110	-00780	-02360	-02090	-02920	-02860	-02860	-01450	-02860	-02840
-3.931	-.042	-00490	-01070	-02130	-02570	-02680	-02960	-03380	-02760	-03010	-03260
-3.853	1.951	-00830	-02000	-02050	-03140	-03440	-03470	-03830	-03190	-03360	-03550
-3.843	3.958	-00890	-02480	-02390	-03420	-03450	-03950	-03980	-03060	-03610	-03860
	GRADIENT	-.00114	-.00195	.00071	-.00150	-.00018	-.00081	-.00082	-.00240	-.00050	-.00080

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5003) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

2.600 PT = 14.700
 .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 8/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.100	-4.052	.01280	.00890	-.02220	-.01250	-.03060	-.03610	-.03590	-.00640	-.03060	-.03360
-.025	-2.049	.01200	.00900	-.01520	-.01910	-.02500	-.03910	-.03330	-.01470	-.02970	-.03020
.050	-.042	-.00120	-.00280	-.02480	-.02510	-.03050	-.03980	-.03980	-.02670	-.03480	-.03810
-.031	1.961	-.00730	-.02460	-.01430	-.03260	-.02870	-.03710	-.03990	-.02820	-.03570	-.03740
.075	3.961	-.00720	-.02440	-.01720	-.03750	-.03770	-.04470	-.04780	-.03300	-.04190	-.04250
	GRADIENT	-.00296	-.00500	.00054	-.00317	-.00089	-.00076	-.00152	-.00333	-.00143	-.00125

RUN NO. 9/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.147	-4.039	.00020	-.01180	-.01430	-.02990	-.03210	-.04300	-.04240	-.02410	-.04190	-.04020
4.231	-2.049	.01400	.00870	.00620	-.01050	-.01130	-.03270	-.02970	-.01580	-.02470	-.02470
4.284	-.046	-.00560	-.01200	-.01500	-.02900	-.02840	-.04340	-.04400	-.03620	-.04060	-.04150
4.228	1.958	-.00070	-.00570	-.01980	-.02540	-.02960	-.03760	-.03790	-.03010	-.03230	-.03790
4.669	3.954	-.00750	-.00310	-.03260	-.04040	-.04090	-.05060	-.05010	-.04090	-.04510	-.04840
	GRADIENT	-.00151	.00015	-.00313	-.00180	-.00181	-.00101	-.00118	-.00240	-.00048	-.00148

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(CE5004) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

2.600 PT = 14.700
 .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 10/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.781	-.039	-.01320	-.02360	-.03830	-.03420	-.04090	-.03780	-.04280	-.03000	-.03890	-.03920
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 11/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.150	-4.042	-.02670	-.04320	-.04910	-.05520	-.05630	-.05740	-.05970	-.04570	-.05830	-.05740
.094	-.039	-.02100	-.03490	-.04300	-.04440	-.04800	-.04970	-.05170	-.04140	-.04860	-.05030
-.012	3.961	-.03200	-.04400	-.05990	-.06190	-.06300	-.06580	-.06660	-.06190	-.06330	-.06610
	GRADIENT	-.00066	-.00010	-.00135	-.00084	-.00084	-.00105	-.00086	-.00202	-.00062	-.00109

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 I A82 OTS SRB-NOM - MPS-NOM

(CE5004) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	2.600	PT	=	14.700
ELV-1B	=	.000	ELV-0B	=	.000

PARAMETRIC DATA

RUN NO.	12/ 0	RN/L	2.55	GRADIENT INTERVAL	-5.00/ 5.00
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[illegible]

CP109	CP110	CP111
-.04490	-.05270	-.05130
.00000	.00000	.00000

ARC87-044 I A82 OTS SRB-NOM+ MPS-NOM

(CE5005) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN. XT
LREF	=	1290.3000	IN.	YMRP	=	0000	IN. YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN. ZT
SCALE	=	.0100					

MACH	=	2.600	PT	=	14.700
ELV-1B	=	.000	ELV-0B	=	.000

PARAMETRIC DATA

RUN NO.	13/ 0	RN/L =	2.58	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]

CP109	CP110	CP111
-.00390	-.01080	-.01710
.00000	.00000	.00000

RUN NO.	14/ 0	RN/L =	2.57	GRADIENT INTERVAL =	-5.00/	5.00
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ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.029	-4.049	.04360	.04940	.01510	.01450	-.00300	-.02090	-.01730	.01370	-.00710	-.01430
.091	-.046	.03690	.05340	.01230	.00650	.00350	-.00640	-.01050	.00070	-.00090	-.00750
.069	3.958	.02670	.01050	.03800	-.00840	.00720	-.02540	-.02570	-.00510	-.02490	.01660
GRADIENT		-.00211	-.00486	.00286	-.00286	.00127	-.00056	-.00105	-.00235	-.00222	-.00029

CP109	CP110	CP111
.01370	-.00710	-.01430
.00070	-.00090	-.00750
-.00510	-.02490	-.01660
-.00235	-.00222	-.00029

RUN NO.	15/ 0	RN/L =	2.58	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

CPI09	CPI10	CPI11
.01230	.01030	.00680
.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

(CE5006)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 16/ 0		RN/L = 2.54		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	BETA	CP101	CP102	CP103	CP104
-3.947	-.039	.01240	.00460	-.00710	-.01210
GRADIENT		.00000	.00000	.00000	.00000
		CP105	CP106	CP107	CP108
		-.01880	-.02600	-.02620	-.02620
		.00000	.00000	.00000	.00000
		CP109	CP110	CP111	
		-.00880	-.02130	-.02570	
		.00000	.00000	.00000	

RUN NO. 17/ 0		RN/L = 2.54		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	BETA	CP101	CP102	CP103	CP104
.029	-4.045	.01800	.01190	-.01390	-.01060
.100	-.042	.00690	.00440	-.02170	-.01760
.122	3.964	-.01200	-.02260	-.02960	-.04350
GRADIENT		-.00375	-.00431	-.00196	-.00411
		CP105	CP106	CP107	CP108
		-.02700	-.03650	-.03730	-.03730
		.00000	.00000	.00000	.00000
		CP109	CP110	CP111	
		-.00920	-.03230	-.03400	
		.00000	.00000	.00000	
		CP109	CP110	CP111	
		-.00920	-.03230	-.03400	
		.00000	.00000	.00000	

RUN NO. 18/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 18/ 0		RN/L = 2.54		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	BETA	CP101	CP102	CP103	CP104
4.156	-.039	-.01500	-.02890	-.02390	-.04280
GRADIENT		.00000	.00000	.00000	.00000
		CP105	CP106	CP107	CP108
		-.04220	-.05580	-.06000	-.06000
		.00000	.00000	.00000	.00000
		CP109	CP110	CP111	
		-.05030	-.05360	-.05560	
		.00000	.00000	.00000	

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 19/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 19/ 0		RN/L = 2.54		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	BETA	CP101	CP102	CP103	CP104
-3.866	-.039	-.00070	-.01130	-.00740	-.01680
GRADIENT		.00000	.00000	.00000	.00000
		CP105	CP106	CP107	CP108
		-.01820	-.02160	-.02160	-.02160
		.00000	.00000	.00000	.00000
		CP109	CP110	CP111	
		-.01930	-.01930	-.02100	
		.00000	.00000	.00000	

RUN NO. 20/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 20/ 0		RN/L = 2.54		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	BETA	CP101	CP102	CP103	CP104
.016	-4.052	-.00850	-.01930	-.02510	-.03510
.125	-.042	.00520	.00520	-.01500	-.01840
-.034	3.958	-.00530	-.01980	-.03180	-.03060
GRADIENT		.00040	-.00006	.00146	.00056
		CP105	CP106	CP107	CP108
		-.03990	-.04380	-.04380	-.04380
		.02700	.02610	.02610	.02610
		-.03790	-.03790	-.03790	-.03790
		.00025	.00074	.00074	.00074
		CP109	CP110	CP111	
		-.03320	-.03790	-.04210	
		-.01810	-.02250	-.02590	
		.03040	-.03760	-.03540	
		.00035	.00004	.00084	

ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(CE5007)

(22 JAN 76)

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(CE5007) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 21/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
4.087BETA
- .042
GRADIENT

CP101 .00000
 CP102 -.00640
 CP103 -.00750
 CP104 -.02020
 CP105 -.02000
 CP107 -.03470
 CP108 -.03440
 CP109 -.02830
 CP110 -.03160
 CP111 -.03300

MACH = 2.600 PT = 14.700
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

(CE5008) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 22/ 0 RN/L = 1.22 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-3.869BETA
- .042
GRADIENT

CP101 .13180
 CP102 .12750
 CP103 .13680
 CP104 .08790
 CP105 .09160
 CP107 .02850
 CP108 .01800
 CP109 .04950
 CP110 .04460
 CP111 .04270

MACH = 2.600 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 23/ 0 RN/L = 1.23 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
.138
.169
.072BETA
-4.039
- .039
3.958
GRADIENT

CP101 .09290
 CP102 .06180
 CP103 .09970
 CP104 .04440
 CP105 .01330
 CP107 -.00720
 CP108 -.01220
 CP109 -.00040
 CP110 .00210
 CP111 -.00470

CP109 .04950
 CP110 .04460
 CP111 .04270
 CP109 .04950
 CP110 .04460
 CP111 .04270
 CP109 .04950
 CP110 .04460
 CP111 .04270

RUN NO. 24/ 0 RN/L = 1.23 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
4.159BETA
- .046
GRADIENT

CP101 .11460
 CP102 .11580
 CP103 .09840
 CP104 .08160
 CP105 .06670
 CP107 .01880
 CP108 .01940
 CP109 .05610
 CP110 .04430
 CP111 .03680

CP109 .05610
 CP110 .04430
 CP111 .03680
 CP109 .05610
 CP110 .04430
 CP111 .03680
 CP109 .05610
 CP110 .04430
 CP111 .03680

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ARC87-044 1A82 QTS SRB-NOM++ MPS-NOM

(CE5009) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-IB =

3.000 PT = 6.700
 .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 25/ 0 RN/L = .99 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.935	.008	.14580	.12580	.13270	.10760	.10760	.03630	.02240	.05280	.04500	.04240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 26/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.065	-3.995	.12780	.10880	.11050	.08460	.10360	.04310	.02410	.04480	.04140	.04140
.200	.011	.14300	.12570	.11020	.09370	.08600	.05660	.05830	.07470	.06180	.06010
.012	4.008	.12800	.10910	.10740	.10480	.09540	.03610	.03520	.05240	.05150	.04810
	GRADIENT	.00003	.00004	.00039	.00252	.00103	.00087	.00139	.00095	.00126	.00084

RUN NO. 27/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.134	.014	.15500	.12390	.12820	.09280	.09020	.08500	.08680	.11440	.09020	.08500
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 QTS SRB-OFF MPS-NOM+++

(CE5010) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-IB =

3.000 PT = 6.700
 .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 28/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.978	.014	.00870	.04810	.05240	.05760	.05500	.04290	.03950	.00010	.01300	.01730
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 29/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.006	-3.992	.00170	.05580	.06530	.06440	.06780	.05070	.04890	.01290	.01720	.00510
.100	.014	.00390	.05540	.05970	.06320	.06150	.05030	.04680	.01590	.00050	.00130
.015	4.011	.00750	.05540	.05370	.06230	.05720	.04850	.04590	.01320	.00970	.01610
	GRADIENT	.00072	.00005	.00145	.00026	.00132	.00027	.00037	.00004	.00336	.00265

ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(CE5012) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

PT = 10.700
 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 34/ 0 RN/L = 1.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.928	.014	.05900	.05410	.01700	.01910	.00300	-.00290	-.00670	.01480	.00350	-.00240
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 35/ 0 RN/L = 1.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.075	-3.989	.06280	.04830	.05800	.02620	.00510	-.00130	-.00400	.00140	.00250	-.00080
.075	.014	.06170	.04440	.05040	.02880	.02770	.00880	-.00100	.01420	.01150	.00770
.034	4.014	.07580	.07100	.06670	.02740	.04250	.00160	.00380	.00810	.00540	.00810
GRADIENT		.00162	.00284	.00109	.00015	.00467	.00036	.00097	.00084	.00036	.00111

RUN NO. 36/ 0 RN/L = 1.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.118	.008	.07730	.07300	.04390	.04710	.02880	.01850	.01750	.03420	.02820	.02180
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5013) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

PT = 15.100
 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 37/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.972	-3.989	.02630	-.00150	-.00800	-.01900	-.02050	-.02550	-.02850	-.02200	-.02430	-.02580
-3.931	-1.999	.03570	.01280	-.00770	-.00850	-.01120	-.01690	-.01500	-.00540	-.01230	-.01340
-4.153	.008	.05030	.02520	.01030	.00990	.00570	.00230	.00160	.01450	.00460	.00270
-4.128	2.014	.04040	.00690	.01450	.00040	.00690	.00040	.00040	.00880	.00270	.00040
-3.981	4.008	.03590	.00390	.00890	-.00410	-.01210	-.01210	-.01630	-.00640	-.00980	-.01130
GRADIENT		.00119	.00024	.00280	.00193	.00175	.00221	.00199	.00227	.00220	.00214

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5013) (22 JAN 76)

REFERENCE DATA

SREF = -2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 39/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.072	-3.992	.03760	.01250	.00110	-.01710	-.01600	-.02780	-.02890	-.02130	-.02320	-.02510
.103	-1.992	.04390	.02260	-.00320	-.01310	-.01050	-.01920	-.01460	-.00590	-.01160	-.01120
.125	.011	.04990	.02930	.01640	.00880	.00650	-.00110	-.00110	.00760	.00190	-.00030
.044	2.008	.04840	.00190	.03430	-.00070	.00550	-.00340	-.00340	.01070	-.00190	-.00110
.062	4.008	.05100	.00540	.03850	.00160	.00380	-.00450	-.01100	.00920	-.00410	-.00340
	GRADIENT	.00157	-.00174	.00561	.00249	.00283	.00312	.00235	.00388	.00240	.00268

RUN NO. 39/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.090	-3.992	.03940	.00860	.01280	-.00030	-.01080	-.01730	-.02070	-.01160	-.01580	-.01730
4.044	-1.986	.05160	.03940	.00130	-.00700	-.00700	-.01350	-.01120	.00400	-.00590	-.00820
4.003	.008	.05190	.0230	.02760	.00740	.01620	-.00590	-.00470	.00100	-.00630	-.00360
3.956	2.017	.03920	-.00120	.01710	-.00690	.00570	-.00760	-.00880	.00380	-.00760	-.00690
4.122	4.011	.04270	.00450	.01870	-.00950	.00540	-.01670	-.01180	-.00490	-.01480	-.00950
	GRADIENT	-.00029	-.00144	.00138	-.00136	.00225	.00036	.00101	.00066	.00002	.00084

ARC87-044 1A82 OTS SRB-OFF MPS-NOM

(CE5014) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 40/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.141	.011	-.02270	-.07560	-.07860	-.07710	-.07560	-.07750	-.07600	-.07220	-.07260	-.07220
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 41/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.059	-3.989	-.02520	-.07930	-.03310	-.08190	-.08270	-.08230	-.08270	-.07890	-.07740	-.07930
.022	.011	-.02100	-.07280	-.07580	-.07580	-.07580	-.07660	-.07660	-.07320	-.07320	-.07280
-.063	4.011	-.02100	-.07310	-.07730	-.07770	-.07620	-.07770	-.07770	-.07500	-.07620	-.07500
	GRADIENT	.00053	.00078	.00073	.00052	.00081	.00057	.00063	.00049	.00015	.00054

ARC87-044 1A82 OTS SRB-OFF MPS-NOM

(CE5014) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	YT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	42/ 0	RN/L =	2.08	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

MACH	=	3.000	PT	=	15.100
ELV-1B	=	.000	ELV-0B	=	.000

PARAMETRIC DATA

ARC87-044, 1A82 OTS SRB-OFF MPS-NOM+

(CE5015) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	43/ 0	RN/L =	2.09	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

MACH	=	3.000	PT	=	15.100
ELV-IB	=	.000	ELV-OB	=	.000

PARAMETRIC DATA

RUN NO.	44 / 0	RN/L =	2.08	GRADIENT INTERVAL =	-5.00 /	5.00
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ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.012	-3.992	-.01570	-.06750	-.07160	-.07010	-.07160	-.06820	-.06900	-.05340	-.04990	-.05070
.078	.014	-.01170	-.06080	-.06420	-.06390	-.06390	-.06230	-.06390	-.05210	-.05010	-.04520
.056	4.017	-.01130	-.06120	-.06420	-.06420	-.06380	-.06420	-.06310	-.05240	-.05200	-.04550
	GRADIENT	.00055	.00079	.00092	.00074	.00097	.00050	.00074	.00012	-.00026	.00065

RUN NO.	45/ 0	RN/L = 2.08	GRADIENI INTERVAL = -5.00/ -5.00
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[illegible]

0/ 5.00

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(CE5016) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

RUN NO. 46/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.063	.008	.02090	-.01180	-.01560	-.01750	-.01830	-.01980	-.02090	-.01710	-.01980	-.01900
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 47/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.125	-3.983	.01310	-.02190	-.02450	-.03170	-.03250	-.03940	-.04050	-.03250	-.03670	-.03900
-.003	.014	.01850	-.01580	-.02500	-.02300	-.02150	-.02720	-.02790	-.02260	-.02600	-.02530
.087	4.008	.01780	-.02330	-.01490	-.02830	-.02790	-.03130	-.03510	-.02370	-.03090	-.03060
	GRADIENT	.00059	-.00017	.00120	.00043	.00058	.00101	.00068	.00110	.00073	.00105

RUN NO. 48/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.906	.008	.02290	-.00530	-.01100	-.01970	-.01900	-.03120	-.03040	-.02470	-.02850	-.02810
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM1-

(CE5017) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

RUN NO. 49/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.868	.008	.04300	.02170	-.00260	.00200	-.00680	-.01240	-.01240	.00160	-.00790	-.01050
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 50/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.072	-3.989	.04790	.03050	.00160	-.00330	-.00870	-.02500	-.02160	-.00140	-.01280	-.02000
.112	.014	.03290	.01450	.00920	-.00370	-.00490	-.01550	-.01550	-.00370	-.01090	-.01240
.087	4.011	.04780	.00370	.03490	-.00270	-.01120	-.01300	-.02170	.00220	-.01150	-.01260
	GRADIENT	-.00001	-.00335	.00416	-.00030	.00094	.00150	-.00001	.00045	.00016	.00093

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ARC87-044 IAB2 OTS SRB-NOM MPS-NOM-

(CE5017) (22 JAN 76)

REFERENCE DATA

SREF	=	2630.0000	SO. FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	51/ 0	RN/L =	2.09	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

MACH	=	3.000	PT	=	15.100
ELV-IB	=	.000	ELV-OB	=	.000

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	52/ 0	RN/L =	2.08	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

MACH	=	3.000	PT	=	15.100
ELV-IB	=	.000	ELV-OB	=	.000

ALPHA : BETA CP101

ALPHA :	BETA :	CP101	CP102	CP103
.075	-3.989	.03960	.01380	.00010
.087	.011	.04900	.02810	.02200
-.047	4.008	.05440	.01380	.04150
	GRADIENT	.00185	.00000	.00518

RUN NO.	53/ 0	RN/L =	2.08	GRADIENT INTERVAL =	-5.00/	5.00
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CP109	CP110	CP111
-.00750	-.01090	-.01280
.00910	.00560	.00450
.01380	.00470	.00690
.00266	.00195	.00246

RUN NO.	54/ 0	RN/L = 2.08	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

PARAMETRIC DATA

(CE5018) (22 JAN 76)

PARAMETRIC DATA

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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(CE5019) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2650.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-OB = .000

RUN NO. 55/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.294	-4.086	.01620	-.09370	-.10540	-.10710	-.10830	-.10830	-.10830	-.10850	-.10710	-.10710
-4.356	-2.083	.01610	-.09340	-.10570	-.10740	-.10740	-.10740	-.10800	-.10680	-.10620	-.10680
-4.212	-.086	.01680	-.09260	-.10420	-.10650	-.10710	-.10710	-.10710	-.10600	-.10540	-.10540
-4.262	1.917	.01640	-.09260	-.10480	-.10710	-.10710	-.10710	-.10710	-.10540	-.10540	-.10540
-4.141	3.917	.01730	-.09200	-.10420	-.10500	-.10660	-.10560	-.10660	-.10600	-.10480	-.10600
	GRADIENT	.00012	.00021	.00016	.00012	.00018	.00018	.00021	.00012	.00027	.00018

RUN NO. 56/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.204	-4.089	.01410	-.09580	-.10860	-.11150	-.11210	-.11270	-.11270	-.11030	-.11030	-.11090
-4.206	-2.089	.01530	-.09410	-.10570	-.10860	-.10920	-.10980	-.10980	-.10860	-.10860	-.10860
-4.181	-.083	.01470	-.09580	-.10740	-.10920	-.11030	-.11030	-.11030	-.10980	-.10860	-.10860
-4.231	1.917	.01630	-.09350	-.10570	-.10800	-.10860	-.10860	-.10920	-.10800	-.10740	-.10800
-4.197	3.914	.01620	-.09320	-.10660	-.10830	-.11000	-.10950	-.11000	-.10950	-.10830	-.10830
	GRADIENT	.00026	.00029	.00020	.00035	.00024	.00038	.00030	.00017	.00026	.00029

RUN NO. 57/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.715	-4.083	.01440	-.09730	-.11060	-.11350	-.11350	-.11470	-.11410	-.11240	-.11240	-.11240
3.662	-2.086	.01470	-.09640	-.10980	-.11270	-.11320	-.11380	-.11320	-.11150	-.11090	-.11090
3.716	-.086	.01470	-.09640	-.10980	-.11210	-.11320	-.11440	-.11320	-.11150	-.11150	-.11210
3.681	1.911	.01470	-.09640	-.10920	-.11270	-.11320	-.11320	-.11320	-.11210	-.11150	-.11150
3.765	3.914	.01330	-.09720	-.11060	-.11240	-.11410	-.11350	-.11410	-.11210	-.11120	-.11240
	GRADIENT	-.00011	.00001	.00003	.00011	-.00006	.00015	-.00000	-.00003	.00009	-.00003

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5020) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 58/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.213	-4.086	.10630	.04390	.02360	.02130	.00980	.00920	.00520	.01500	.01270	.00860
-4.150	-2.089	.10460	.04220	.02490	.02020	.01390	.00930	.00580	.01330	.01100	.00810
-4.287	-1.086	.11010	.05050	.03030	.01990	.01820	.01240	.01180	.02150	.01640	.01530
-4.172	1.917	.09750	.02530	.02290	.01020	.00730	.00150	.00150	.01080	.00620	.00560
-4.272	3.914	.10480	.02910	.03370	.01350	.01470	.00600	.00720	.01580	.00950	.01060
	GRADIENT	-.00051	-.00232	.00091	-.00128	.00016	-.00071	-.00002	-.00005	-.00056	.00007

RUN NO. 59/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-1.147	-4.086	.10900	.04430	.03960	.01880	.01360	.00780	.00440	.00840	.00840	.00670
-1.188	-2.089	.10490	.04080	.02810	.01480	.01590	.00720	.00780	.01240	.01070	.00900
-.031	-.089	.11860	.06080	.03820	.03650	.02780	.02430	.02030	.02660	.02380	.02260
-.122	1.914	.10870	.03870	.04510	.02200	.03300	.01160	.01100	.01730	.01210	.01450
-.278	3.911	.10750	.04220	.03870	.01500	.02490	.00460	.00750	.00980	.00580	.00930
	GRADIENT	.00004	-.00032	.00076	-.00002	.00199	-.00010	.00047	.00038	-.00019	.00053

RUN NO. 60/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.887	-4.089	.11570	.04750	.04690	.03300	.02030	.02140	.01280	.02550	.02430	.02200
3.881	-2.092	.11910	.05490	.05320	.04860	.03060	.02430	.02310	.02890	.02830	.02830
3.794	-.080	.11240	.04650	.03550	.02800	.02510	.02050	.02170	.02800	.02280	.02280
3.966	1.914	.11480	.05000	.04430	.02580	.03730	.02000	.02110	.02400	.02340	.02460
3.856	3.920	.11180	.04540	.04020	.01760	.03260	.00950	.01990	.02460	.02110	.02340
	GRADIENT	-.00061	-.00046	-.00112	-.00268	.00156	-.00140	.00061	-.00033	-.00056	-.00005

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM+

(CE5021) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 61/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.991	-.083	.05710	-.03220	-.03850	-.04140	-.04030	-.03220	-.03100	.00200	.00430	.01240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 62/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.194	-4.080	.05330	-.03880	-.04980	-.04870	-.05270	-.03940	-.04060	-.01220	-.00230	-.00810
-.225	-.089	.05660	-.03540	-.04240	-.04410	-.04350	-.03890	-.03600	-.00760	-.00300	.00220
-.097	3.914	.05750	-.03750	-.04150	-.04670	-.04320	-.03980	-.03570	-.00850	-.00910	.00480
	GRADIENT	.00053	.00016	.00104	.00025	.00119	-.00005	.00061	.00046	-.00085	.00161

RUN NO. 63/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.875	-.086	.05560	-.03830	-.04520	-.04750	-.04640	-.04350	-.04170	-.01740	-.01040	-.00640
	GRADIENT	.00070	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 64/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.212	-.086	.05000	-.04570	-.05320	-.05500	-.05500	-.04980	-.04860	-.02950	-.02890	-.02540
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 65/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.100	-4.089	.04830	-.04960	-.06000	-.06000	-.06170	-.05480	-.05480	-.03620	-.03510	-.03450
-.216	-.083	.05090	-.04520	-.05330	-.05390	-.05160	-.05220	-.05160	-.03480	-.03190	-.02900
-.294	3.917	.04930	-.05040	-.05560	-.06020	-.05730	-.05620	-.05330	-.03590	-.03760	-.02950
	GRADIENT	.00013	-.00010	.00055	-.00002	.00055	-.00017	.00019	.00004	-.00031	.00062

ARC87-044 1A82 OTS SRB-OFF MPS-NOM

(CE5022) (22 JAN 76)

ARC87-044 IAB2 OTS SRB-OFF MPS-NOM

(CE5022) (22 JAN 76

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN. XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN. YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN. ZT
SCALE	=	.0100					

RUN NO.	66/ 0	RN/L = 1.64	GRADIENT. INTERVAL = -5.00/ 5.00
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[illegible]

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

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RUN NO.      67/ 0      RN/L = 1.64      GRADIENT INTERVAL = -5.00/ 5.00

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[illegible]

BETA CP101

ALPHA	BETA	CP101	CP102	CP103
-.265	-4.083	.07830	.00120	-.01210
-.022	-.086	.08590	.01570	.00530
-.247	3.914	.08530	.01240	.00480
	GRADIENT	.00088	.00045	.00306

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RUN NO.      69/ 0      RN/L = 1.64      GRADIENT INTERVAL = -5.00/ 5.00

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[illegible]

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

(CE5024) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT. = 15.100
 ELV-18 = .000 ELV-08 = .000

RUN NO. 70/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.087	-0.086	.11150	.04850	.03810	.01670	.01620	.00520	.00460	.01620	.01150	.00920
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 71/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-0.075	-4.083	.11000	.04050	.05270	.01730	.02780	.00340	.00520	.00690	.00570	.00920
-0.178	-0.089	.11530	.04570	.04630	.03010	.03180	.01740	.01270	.02080	.01740	.01620
-0.197	3.911	.11430	.06040	.04640	.03190	.03370	.00760	.00350	.00880	.00990	.00880
	GRADIENT	.00054	.00249	-.00079	.00183	.00074	.00052	-.00021	.00024	.00052	-.00005

RUN NO. 72/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.747	-0.083	.12910	.06890	.05270	.04350	.03600	.03020	.02900	.04230	.03540	.03190
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(CE5025) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT. = 15.100
 ELV-18 = .000 ELV-08 = .000

RUN NO. 73/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.134	-0.083	.11100	.03920	.02880	.02360	.02360	.02300	.02300	.03170	.02990	.03230
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 74/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-0.104	-4.086	.10800	.03970	.02990	.02240	.02120	.01950	.01830	.02350	.03050	.02290
-0.153	-0.086	.11110	.04510	.02900	.02720	.02430	.02550	.02950	.03130	.02950	.03130
-0.206	3.917	.10950	.03720	.03200	.01980	.02500	.01690	.02150	.02500	.01810	.03370
	GRADIENT	.00019	-.00031	.00026	-.00033	.00047	-.00033	.00040	.00019	-.00155	.00135

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ARC87-044 1A82 QTS SRB-NOM MPS-NOM+

(CE5025) (22 JAN 76 1:1

REFERENCE DATA

SREF	=	2590.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	75/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

MACH	=	3.500	PT	=	15.100
ELV-IB	=	.000	ELV-OB	=	.000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(CE5026) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN. YT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN. YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN. ZT
SCALE	=	.0100					

RUN NO.	76/ 0	RN/L = 1.20	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

MACH	=	3.500	PT	=	10.700
ELV-IB	=	.000	ELV-OB	=	.000

PARAMETRIC DATA

RUN NO.	77/ 0	RN/L = 1.20	GRADIENT INTERVAL = -5.00/ 5.00
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ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.182	-4.089	.09690	.07560	.05090	.06320	.02790	.01890	.01560	.02300	.02470	.01890
-.006	-.092	.07010	.02160	.00930	.00930	.01100	.00600	.00770	.01020	.00770	.01100
-.163	3.911	.09240	.04660	.07200	.02860	.06130	.02200	.01790	.02720	.02120	.02770
GRADIENT		-.00056	-.00362	.00264	-.00432	.00418	.00039	.00029	.00059	-.00044	.00110

RUN NO.	78/ 0	RN/L =	1.20	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

CP109	CP110	CP111
.04280	.04280	.04280
.00000	.00000	.00000

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

(CE5027) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 79/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.209	-0.083	.05280	-0.05473	-0.05320	-0.07040	-0.07040	-0.05860	-0.06000	-0.02190	-0.00880	-0.00880
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 80/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-1.154	-4.089	.04070	-0.06870	-0.08580	-0.08720	-0.09110	-0.07530	-0.07660	-0.04100	-0.02260	-0.03180
-2.240	-0.086	.04310	-0.06770	-0.07830	-0.08350	-0.08220	-0.07430	-0.07170	-0.04130	-0.02940	-0.02680
-2.256	3.917	.05060	-0.06200	-0.06850	-0.07770	-0.07510	-0.06720	-0.06330	-0.03050	-0.03050	-0.01220
	GRADIENT	.00124	.00034	.00216	.00119	.00203	.00101	.00166	.00131	.00099	.00245

RUN NO. 81/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.694	-0.083	.04060	-0.07160	-0.08480	-0.08620	-0.08750	-0.08220	-0.07960	-0.04920	-0.03860	-0.03730
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 82/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.159	-0.083	.05940	-0.04340	-0.05520	-0.06050	-0.06050	-0.04340	-0.04210	-0.0140	-0.01990	-0.02650
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 83/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-1.147	-4.083	.05590	-0.04710	-0.06560	-0.06430	-0.07220	-0.05110	-0.05240	-0.00630	-0.03190	-0.00580
-1.181	-0.089	.06110	-0.04810	-0.05740	-0.06390	-0.06130	-0.04950	-0.04810	-0.00730	-0.00580	-0.01900
-1.300	3.917	.05920	-0.05250	-0.05510	-0.06830	-0.06170	-0.05250	-0.04590	-0.00650	-0.00780	-0.03560
	GRADIENT	.00029	-0.00068	.00131	-0.00050	.00131	-0.00018	.00081	-0.00002	-0.00496	.00360

ARC87-044 1A82 OTS SRB-OFF MPS-NOM+++

(CE5028) (22 JAN 76)

ARC87-044 1A82 QTS SRB-OFF MPS-NOM+++

(CE5028) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	50.FT.	YMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	84/ 0	RN/L =	.79	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

MACH	=	3.500	PT	=	6.700
ELV-18	=	.000	ELV-08	=	.000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

(CE5029) (22 JAN 76)

REFERENCE DATA

SEEF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LEF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	85/ 0	RN/L =	.79	GRADIENT INTERVAL	=	-5.00/	5.00
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[illegible]

MACH	=	3.500	PT	=	6.700
ELV-18	=	.000	ELV-08	=	.000

PARAMETRIC DATA

RUN NO.	86/ 0	RN/L =	.79	GRADIENT INTERVAL =	-5.00/	5.00
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	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
ALPHA	- .060	.19540	.16880	.04910	.08330	.03070	.02020	.00840	.03330	.02410	.01760
	- .009	.13590	.04650	.05700	.02810		.02280		.02810	.02680	
	.160	.17120	.04590	.14080	.08020		.01830	.02480	.04070	.02480	.02620
	GRADIENT	- .00315	- .01535	.01145	- .00566		- .00024	.00205	.00092	.00009	.00107

RUN NO.	87/ 0	RN/L =	.79	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]

CP108	CP109	CP110	CP111
.04830	.05230	.05090	.04980
.00000	.00000	.00000	.00000

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5030) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 88/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.963	-0.039	-0.10700	-0.14890	-0.15200	-0.15250	-0.15250	-0.15390	-0.15370	-0.15310	-0.15280	-0.15340
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 89/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.057	-4.045	-0.11350	-0.15680	-0.16100	-0.15960	-0.16040	-0.15960	-0.16070	-0.15850	-0.15820	-0.15930
.137	-0.042	-0.10860	-0.15220	-0.15640	-0.15610	-0.15640	-0.15610	-0.15610	-0.15360	-0.15360	-0.15330
.244	3.961	-0.10990	-0.15480	-0.15880	-0.15880	-0.15850	-0.15820	-0.15820	-0.15480	-0.15510	-0.15480
	GRADIENT	.00045	.00025	.00027	.00010	.00024	.00017	.00031	.00046	.00039	.00056

RUN NO. 90/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.103	-0.042	-0.11320	-0.15760	-0.16180	-0.16130	-0.16180	-0.16100	-0.16130	-0.15930	-0.15880	-0.15930
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 91/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.850	-0.042	-0.00700	-0.01030	-0.02190	-0.02550	-0.02740	-0.02910	-0.03350	-0.02830	-0.02940	-0.03270
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 92/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-0.012	-4.045	.00930	.00410	-0.02320	-0.01440	-0.03150	-0.03480	-0.03620	-0.00700	-0.03180	-0.03420
.122	-0.042	.00200	.00510	-0.02470	-0.02360	-0.02880	-0.03790	-0.03730	-0.02330	-0.03210	-0.03620
.013	3.958	-0.00860	-0.01880	-0.02050	-0.03780	-0.03560	-0.04470	-0.04330	-0.03480	-0.04110	-0.04140
	GRADIENT	-0.00224	-0.00286	.00034	-0.00292	-0.00051	-0.00124	-0.00089	-0.00347	-0.00116	-0.00090

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DATE 04 FEB 76

TABULATED SOURCE DATA - IAB2C

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ARC87-044 IAB2 OTS SRB-NOM MPS-NOM

(CE5031) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 93/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.097	-.042	-.00710	-.01280	-.01810	-.02830	-.02990	-.04150	-.04230	-.03380	-.03870	-.04010
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

PARAMETRIC DATA

ARC87-044 IAB2 OTS SRB-NOM MPS-OFF

(CE5032) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 94/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.791	.011	-.05080	-.11860	-.12470	-.12550	-.12580	-.12810	-.12740	-.12620	-.12580	-.12620
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 95/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.169	-3.992	-.05520	-.12370	-.13060	-.13060	-.13140	-.13140	-.13170	-.13020	-.12980	-.13060
.044	.011	-.05230	-.12000	-.12650	-.12760	-.12800	-.12870	-.12870	-.12800	-.12800	-.12800
-.006	4.011	-.05230	-.12080	-.12760	-.12800	-.12870	-.12800	-.12840	-.12720	-.12680	-.12720
	GRADIENT	.00036	.00035	.00037	.00032	.00034	.00042	.00041	.00037	.00037	.00042

RUN NO. 96/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.052	.014	-.05410	-.12340	-.13060	-.13100	-.13210	-.13210	-.13250	-.13140	-.13100	-.13180
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

PARAMETRIC DATA

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5033) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 4.000 ELV-08 = .000

RUN NO. 97/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.007	.014	.05540	.03130	.01310	.01190	.00850	.00430	.00470	.01720	.00770	.00580
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 98/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.050	-3.989	.03720	.01280	.00330	-.01380	-.01270	-.02450	-.02560	-.01800	-.02030	-.02300
.137	.008	.05290	.03270	.02010	.01020	.00910	.00070	.00110	.00910	.00450	.00150
.097	4.011	.05160	.00780	.03980	.00360	.00740	-.00210	-.00860	.01050	-.00250	-.00170
	GRADIENT	.00180	-.00063	.00456	.00217	.00251	.00280	.00212	.00356	.00222	.00266

RUN NO. 99/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.053	.011	.05560	.03270	.03390	.01560	.01900	-.00270	-.00160	.00410	-.00310	.00030
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5034) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 4.000 ELV-08 = .000

RUN NO. 100/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.109	-.086	.01840	-.09280	-.10510	-.10740	-.10860	-.10920	-.10920	-.10680	-.10570	-.10510
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 101/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.260	-4.093	.01740	-.09610	-.10710	-.11000	-.10950	-.11060	-.10950	-.10830	-.10650	-.10710
-.103	-.086	.01780	-.09340	-.10620	-.10800	-.10860	-.11030	-.11030	-.10800	-.10680	-.10740
-.247	3.917	.01710	-.09460	-.10740	-.10920	-.11030	-.10920	-.10970	-.10800	-.10740	-.10740
	GRADIENT	-.00004	.00019	-.00004	.00010	-.00010	.00018	-.00002	.00004	-.00011	-.00004

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5034) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 102/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.850	-.086	.01610	-.09630	-.10920	-.11150	-.11210	-.11320	-.11320	-.11090	-.11030	-.10970
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5035) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 103/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.055	-.086	.10750	.04810	.02890	.01660	.01550	.00910	.00790	.01840	.01200	.01200
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 104/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.063	-4.085	.10540	.04030	.03440	.01760	.00890	.00480	.00070	.00600	.00540	.00300
-.184	-.089	.11570	.06110	.03730	.03730	.02680	.02510	.02040	.02620	.02450	.02160
-.100	3.914	.10380	.03810	.03340	.01010	.02060	.00030	.00320	.00610	.00200	.00550
	GRADIENT	-.00020	-.00028	-.00013	-.00094	.00146	-.00056	.00031	.00001	-.00043	.00031

RUN NO. 105/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.785	-.086	.11080	.04630	.03580	.02830	.02480	.02130	.02130	.02830	.02360	.02300
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

PARAMETRIC DATA

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5036) (22 JAN 76)

REFERENCE DATA

SREF = 2630.0000 SQ.FT. XMRP = 975.0000 IN. XT
 LREF = 1230.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-0B = -4.000

RUN NO. 106/ 0 RN/L = 2.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.669	-0.042	-1.0570	-1.4700	-1.5030	-1.5090	-1.5060	-1.5250	-1.5200	-1.5110	-1.5090	-1.5090
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 107/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.141	-4.045	-1.1240	-1.5500	-1.5950	-1.5750	-1.5860	-1.5780	-1.5860	-1.5670	-1.5640	-1.5750
.194	-0.039	-1.0830	-1.5150	-1.5530	-1.5480	-1.5480	-1.5510	-1.5530	-1.5290	-1.5290	-1.5290
.057	3.961	-1.1050	-1.5480	-1.5810	-1.5810	-1.5780	-1.5750	-1.5730	-1.5400	-1.5480	-1.5450
	GRADIENT	.00024	.00003	.00018	-0.00007	.00010	.00004	.00016	.00034	.00020	.00037

RUN NO. 108/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.231	-0.039	-1.1360	-1.5770	-1.6160	-1.6130	-1.6130	-1.6100	-1.6130	-1.5910	-1.5880	-1.5910
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5037) (22 JAN 76)

REFERENCE DATA

SREF = 2630.0000 SQ.FT. XMRP = 975.0000 IN. XT
 LREF = 1230.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-0B = -4.000

RUN NO. 109/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.900	-0.039	-0.0770	-0.1190	-0.2210	-0.2650	-0.2760	-0.3010	-0.3420	-0.2950	-0.3060	-0.3370
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 110/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.050	-4.042	.00850	.00350	-0.0210	-0.01460	-0.03000	-0.03550	-0.03530	-0.00780	-0.03170	-0.03310
.100	-0.042	.00110	.00410	-0.02590	-0.02420	-0.02970	-0.03800	-0.03800	-0.02480	-0.03250	-0.03630
	3.958	-0.0780	-0.1800	-0.1910	-0.03640	-0.03400	-0.04360	-0.04280	-0.03420	-0.04090	-0.04110
	GRADIENT	-0.00204	-0.00269	.00026	-0.00272	-0.00050	-0.00101	-0.00094	-0.00330	-0.00115	-0.00100

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5037) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH
ELV-1B

RUN NO.	111/ 0	RN/L =	2.62	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BRFF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH
ELY-1B

RUN NO.	112/ 0	RN/L = 2.11	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]BETA
CPIOM

ALPHA	BETA	CP101	CP102	CP103
.003	-3.985	-.05470	-.12410	-.13100
.187	.011	-.05260	-.12120	-.12810
-.063	4.014	-.05350	-.12300	-.12980
	GRADIENT	.00015	.00014	.00015

RUN NO.	113/ 0	RN/L =	2.11	GRADIENT INTERVAL =	-5.00/ 5.00
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CP109	CP110	CP111
.13020	-.13020	-.13060
.12890	-.12890	-.12890
.12910	-.12870	-.12870
.00014	-.00019	.00024

Run

ALPHA	BETA	CP101	CP102	CP103
3.978	.008	-.05390	-.12450	-.13170
	GRADIENT	.00000	.00000	.00000

RUN NO.	114	0	RN/L	=	2.11	GRADIENT INTERVAL	=	-5.00	/	5.00
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CP109	CP110	CP111
.13170	-.13170	-.13170
.00000	.00000	.00000

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(CE5039) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-IB =

3.000 PT = 15.100
 4.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 115/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.969	.008	.05390	.02950	.01200	.01080	.00670	.00360	.00360	.01620	.00670	.00480
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 116/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.191	-3.992	.03810	.01380	.00510	.01160	.00450	.02570	.02570	.01880	.02040	-.02230
.144	.011	.05440	.03310	.01980	.01220	.00990	.00190	.00190	.01070	.00580	.00350
-.138	4.008	.05390	.00980	.04250	.00520	.00900	-.00050	-.00540	.01320	-.00050	.00100
	GRADIENT	.00198	-.00050	.00467	.00220	.00258	.00300	.00254	.00400	.00249	.00291

RUN NO. 117/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.981	.011	.05640	.02900	.03320	.01420	.01680	.00050	.00350	.00920	.00350	.00580
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5040) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-IB =

3.500 PT = 15.100
 4.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 118/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.084	-.086	.02150	-.09050	-.10220	-.10450	-.10570	-.10750	-.10690	-.10510	-.10400	-.10340
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 119/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.038	-4.086	.01300	-.09400	-.10630	-.10800	-.10920	-.11040	-.10920	-.10750	-.10690	-.10590
-.278	-.086	.02100	-.09140	-.10310	-.10540	-.10660	-.10770	-.10660	-.10480	-.10430	-.10430
-.372	3.917	.02230	-.08940	-.10340	-.10510	-.10510	-.10510	-.10570	-.10340	-.10340	-.10220
	GRADIENT	.00041	.00057	.00036	.00036	.00051	.00066	.00044	.00051	.00044	.00059

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5040) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	120/ 0	· RN/L =	1.64	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

MACH	=	3.500	PT	=	15.100
ELV-1B	=	4.000	ELV-0B	=	-4.000

PARAMETRIC DATA

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	121/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

MACH	=	3.500	PT	=	15.100
ELV-IB	=	4.000	ELV-OB	=	-4.000

PARAMETRIC DATA

RUN NO.	122/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
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ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.204	-4.083	.10850	.04240	.03660	.01970	.01160	.00690	.00350	.00750	.00810	.00520
-.094	-.086	.11650	.06280	.03840	.04010	.02910	.02670	.02900	.02790	.02500	.02210
-.116	3.917	.10700	.04160	.03580	.01200	.02300	.02070	.00500	.00790	.00330	.00670
GRADIENT		-.00009	-.00010	-.00010	-.00096	.00142	-.00053	.00019	.00005	-.00060	.00019

RUN NO.	123/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

CP108	CP109	CP110	CP111
.02190	.02890	.02310	.02190
.00000	.00000	.00000	.00000

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TABULATED SOURCE DATA - 1A82C

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(CE5042) (22 JAN 76)

REFERENCE DATA

SREF = -2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-IB = 10.000 ELV-OB = -4.000

RUN NO. 124/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.300	-0.046	-0.11040	-0.15480	-0.15960	-0.15900	-0.15900	-0.16100	-0.16070	-0.15900	-0.15900	-0.15930
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 125/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-0.473	-0.042	-0.11210	-0.15720	-0.16110	-0.15910	-0.16030	-0.15970	-0.16030	-0.15830	-0.15800	-0.15890
.141	-0.042	-0.10880	-0.15490	-0.15890	-0.15860	-0.15860	-0.15860	-0.15800	-0.15550	-0.15610	-0.15610
.888	3.961	-0.11100	-0.15720	-0.16080	-0.16140	-0.16080	-0.16080	-0.16080	-0.15740	-0.15770	-0.15770
	GRADIENT	.00014	.00000	.00004	.00029	.00006	.00014	.00006	.00011	.00004	.00015

RUN NO. 126/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.115	-0.042	-0.11210	-0.15890	-0.16280	-0.16200	-0.16250	-0.16170	-0.16200	-0.15970	-0.15940	-0.16000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-IB = 10.000 ELV-OB = -4.000

RUN NO. 127/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.723	-0.042	-0.00060	.00110	-0.01970	-0.01940	-0.02360	-0.02390	-0.02940	-0.02250	-0.02420	-0.02830
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 128/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-0.490	-0.042	-0.00820	-0.00040	-0.02150	-0.01930	-0.03040	-0.02710	-0.03290	-0.00710	-0.02760	-0.03010
.194	-0.042	-0.00090	-0.00370	-0.02510	-0.02480	-0.03040	-0.03370	-0.03590	-0.02340	-0.03200	-0.03400
.860	3.961	-0.00540	-0.01230	-0.03120	-0.03900	-0.04260	-0.04480	-0.04340	-0.03370	-0.03900	-0.04120
	GRADIENT	-0.00170	-0.00149	-0.00121	-0.00246	-0.00152	-0.00221	-0.00131	-0.00332	-0.00142	-0.00139

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5043) (22 JAN 76)

ARC87-044 I A82 OTS SRB-NOM MPS-NOM

(CE5043) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	129/ 0	RN/L =	2.59	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	130/ 0	RN/L =	2.07	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

ETA CP101

0.080	0.011	0.0170	0.1230	0.12690
0.081	0.011	0.04940	0.12030	0.12690
0.082	0.011	0.00057	0.00077	0.00087
GRADIENT				
RUN NO. 132/ 0				RN/L =

RUN NO.	132/ 0	RN/L =	2.06	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]

PARAMETRIC DATA

(CE5044) (22 JAN 76)

PARAMETRIC DATA

RUN NO.	132/ 0	RN/L =	2.06	GRADIENT INTERVAL =	-5.00/ 5.00
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TABULATED SOURCE DATA - 1A82C

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(CE5045) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-OB = -4.000

RUN NO. 133/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.966	.014	.05950	.03360	.01720	.01800	.01230	.01380	.01000	.02070	.01420	.01080
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.619	-3.986	.03370	-.00160	.00100	-.01000	-.01680	-.01950	-.02920	-.01840	-.02030	-.02250
.225	.011	.05630	.03270	.02050	.01480	.01060	.00410	.00680	.01290	.00680	.00530
.753	4.011	.04800	.01220	.02330	.00080	.00690	-.00260	-.00110	.00920	-.00140	.00050
	GRADIENT	.00179	.00172	.00279	.00135	.00296	.00211	.00301	.00345	.00236	.00288

RUN NO. 135/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.137	.011	.06260	.04090	.02870	.02340	.01650	.01120	.00780	.01620	.01200	.00970
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-OB = -4.000

RUN NO. 136/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.256	-.086	.02500	-.09000	-.10310	-.10490	-.10490	-.10610	-.10670	-.10490	-.10430	-.10430
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 137/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.778	-4.083	.02160	-.09450	-.10640	-.10940	-.11000	-.11120	-.11000	-.10880	-.10760	-.10820
-.147	-.086	.02340	-.09150	-.10400	-.10760	-.10820	-.10940	-.10880	-.10580	-.10580	-.10580
.540	3.917	.02080	-.09360	-.10730	-.10970	-.11030	-.11030	-.11030	-.10850	-.10790	-.10670
	GRADIENT	-.00010	.00011	-.00011	-.00004	-.00004	.00011	-.00004	.00004	-.00004	.00019

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5046) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5046) . (22 JAN 76)

REFERENCE DATA

SREF =	2690.000	50.FT.	XMRP =	976.0000	IN. XT
LREF =	1290.300	IN.	YMRP =	.0000	IN. YT
BREF =	1290.300	IN.	ZMRP =	400.0000	IN. ZT
SCALE =	.0100				

RUN NO. 138/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

REFERENCE DATA

SREF	=	2690.0000	50. FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	139/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

RUN

ALPHA	BETA	CP101	CP102	CP103
-.635	-4.086	.10930	.03770	.03540
-.062	-.089	.12360	.07220	.03860
.522	3.914	.11110	.04120	.03890
	GRADIENT	.00022	.00044	.00044

Run

[illegible]

PARAMETRIC DATA

(CE5047) (22 JAN '78)

PARAMETRIC DATA

(CE5046) . (22 JAN 76)

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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(CE5048) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 8.000 ELV-08 = -4.000

RUN NO. 142/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.859	-4.039	-1.1230	-1.5910	-1.6390	-1.6140	-1.6280	-1.6450	-1.6310	-1.6170	-1.6200	-1.6200
-3.859	-0.042	-1.0830	-1.1530	-1.1570	-1.1570	-1.1570	-1.1590	-1.1590	-1.1580	-1.1580	-1.1580
-3.928	3.958	-1.0800	-1.1540	-1.1590	-1.1590	-1.1590	-1.1580	-1.1590	-1.1550	-1.1540	-1.1560
	GRADIENT	.00054	.00054	.00061	.00030	.00048	.00075	.00051	.00076	.00090	.00073

RUN NO. 143/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-7.25	-4.042	-1.1650	-1.6450	-1.6930	-1.6760	-1.6790	-1.6900	-1.6790	-1.6670	-1.6700	-1.6650
-0.06	-0.042	-1.1390	-1.6210	-1.6860	-1.6600	-1.6600	-1.6600	-1.6600	-1.6320	-1.6320	-1.6380
.635	3.970	-1.1530	-1.6410	-1.6890	-1.6830	-1.6830	-1.6750	-1.6780	-1.6470	-1.6410	-1.6490
	GRADIENT	.00015	.00005	.00005	.00009	.00013	.00019	.00001	.00025	.00036	.00020

RUN NO. 144/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.194	-4.055	-1.1370	-1.6190	-1.6650	-1.6590	-1.6650	-1.6590	-1.6650	-1.6530	-1.6510	-1.6560
4.063	-0.046	-1.1130	-1.5910	-1.6210	-1.6120	-1.6180	-1.6120	-1.6150	-1.5930	-1.5870	-1.5930
4.110	3.954	-1.1000	-1.5770	-1.6140	-1.6190	-1.6160	-1.6110	-1.6080	-1.5850	-1.5880	-1.5850
	GRADIENT	.00046	.00052	.00064	.00050	.00061	.00060	.00071	.00085	.00079	.00089

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5049) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 8.000 ELV-08 = -4.000

RUN NO. 145/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.875	-4.049	.00030	-0.1240	-0.2790	-0.2370	-0.3340	-0.3260	-0.3400	-0.01490	-0.3150	-0.3120
-3.741	-0.042	-0.0210	-0.0270	-0.2180	-0.2300	-0.2660	-0.2740	-0.3270	-0.02550	-0.2740	-0.3160
-3.909	3.961	-0.1090	-0.2650	-0.2950	-0.3840	-0.03840	-0.04180	-0.04120	-0.03290	-0.03960	-0.04010
	GRADIENT	-0.00140	-0.00176	-0.00020	-0.00184	-0.00062	-0.00115	-0.00090	-0.00225	-0.00101	-0.00111

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5049) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.500 PT = 15.100
 ELV-IB = 8.000 ELV-OB = -4.000

RUN NO. 146/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
- .781	-4.042	.01050	.00140	-.02230	-.01790	-.03030	-.02840	-.03340	-.00550	-.02810	-.02980
.044	-.046	.00210	-.00480	-.02650	-.02350	-.03090	-.03480	-.03650	-.02130	-.03310	-.03400
.522	3.958	-.00430	-.01200	-.03080	-.03940	-.04080	-.04570	-.04240	-.03610	-.03940	-.04160
	GRADIENT	-.00185	-.00168	-.00106	-.00269	-.00131	-.00216	-.00113	-.00382	-.00141	-.00148

RUN NO. 147/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.082	-4.045	-.01100	-.03500	-.02750	-.05050	-.04410	-.05180	-.05070	-.02920	-.05160	-.04690
4.034	-.045	.00170	-.01250	-.01480	-.02590	-.02670	-.03000	-.03390	-.02010	-.02940	-.03170
4.100	3.961	-.00490	-.00240	-.04130	-.04330	-.04930	-.05210	-.05380	-.04050	-.04520	-.05050
	GRADIENT	.00076	.00407	-.00172	.00090	-.00065	-.00004	-.00039	-.00141	.00080	-.00045

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5050) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-IB = 8.000 ELV-OB = -4.000

RUN NO. 148/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.960	-3.986	-.05250	-.12150	-.12760	-.12840	-.12840	-.12870	-.12800	-.12720	-.12680	-.12720
-4.050	-1.995	-.04900	-.11750	-.12360	-.12480	-.12520	-.12630	-.12550	-.12440	-.12440	-.12440
-3.903	.008	-.05120	-.12020	-.12700	-.12700	-.12820	-.12850	-.12850	-.12660	-.12660	-.12660
-3.822	2.014	-.04740	-.11510	-.12310	-.12270	-.12350	-.12420	-.12500	-.12230	-.12190	-.12230
-3.875	4.017	-.04880	-.11790	-.12510	-.12550	-.12620	-.12590	-.12660	-.12400	-.12400	-.12400
	GRADIENT	.00045	.00048	.00027	.00039	.00030	.00038	.00016	.00042	.00040	.00042

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TABULATED SOURCE DATA - 1A82C

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(CE5050) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 149/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.666	-3.989	-.05420	-.12440	-.13080	-.13050	-.13120	-.13160	-.13120	-.13050	-.12970	-.13050
-.438	-1.989	-.05060	-.12020	-.12630	-.12750	-.12750	-.12860	-.12820	-.12710	-.12710	-.12710
-.094	.014	-.05140	-.12150	-.12800	-.12950	-.12950	-.12990	-.12990	-.12910	-.12870	-.12910
.072	2.017	-.05120	-.12040	-.12760	-.12760	-.12800	-.12800	-.12920	-.12690	-.12690	-.12730
.487	4.011	-.05380	-.12430	-.13120	-.13200	-.13160	-.13200	-.13200	-.13010	-.13010	-.13010
	GRADIENT	.00001	.00000	-.00010	-.00015	-.00006	-.00001	-.00013	.00005	-.00003	.00003

RUN NO. 150/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.022	-3.992	-.05650	-.12850	-.13580	-.13540	-.13580	-.13660	-.13620	-.13500	-.13460	-.13580
4.078	-1.989	-.05350	-.12360	-.13050	-.13130	-.13200	-.13200	-.13200	-.13050	-.13050	-.13050
4.081	.011	-.05270	-.12400	-.13080	-.13160	-.13160	-.13240	-.13200	-.13120	-.13120	-.13160
4.050	2.011	-.05230	-.12190	-.12920	-.12990	-.12990	-.13070	-.12990	-.12920	-.12840	-.12950
4.016	4.014	-.05330	-.12450	-.13180	-.13290	-.13250	-.13290	-.13290	-.13140	-.13100	-.13140
	GRADIENT	.00038	.00048	.00046	.00032	.00043	.00043	.00043	.00042	.00046	.00049

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5051) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 151/ 0 RN/L = 2.05 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.888	-3.989	.03580	.01060	-.00570	-.01180	-.01330	-.01940	-.01980	-.01180	-.01680	-.01750
-3.950	-1.989	.04610	.02130	-.00270	-.00040	-.00650	-.01030	-.00760	.00340	-.00540	-.00650
-3.910	.014	.05560	.02630	.01290	.01290	.00840	.00870	.00490	.01600	.00910	.00650
-3.922	2.008	.05030	.01040	.02980	.00500	.00850	.00160	.00050	.01040	.00280	.00240
-3.997	4.008	.04230	.00260	.01100	-.00570	-.01070	-.01490	-.00420	-.00420	-.00920	-.00990
	GRADIENT	.00096	-.00134	.00330	.00088	.00101	.00128	.00090	.00111	.00117	.00121

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5051) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-OB = -4.000

RUN NO. 152/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-903	-3.989	.03370	.00100	-.00020	-.01200	-.01580	-.02340	-.02650	-.01920	-.02230	-.02300
-.566	-1.995	.04670	.02750	-.00320	-.00670	-.01010	-.01690	-.01270	-.00090	-.01010	-.01050
-.119	.011	.05300	.02750	.01640	.00960	.00650	.00000	.00000	.00800	.00230	.00080
.131	2.014	.04940	-.00090	.03300	-.00320	.00900	-.00550	-.00130	.00860	-.00430	-.00130
.387	4.008	.04840	.00920	.02630	-.00030	.00610	-.00490	-.00640	.00770	-.00410	-.00300
	GRADIENT	.00160	-.00036	.00446	.00135	.00315	.00242	.00258	.00316	.00211	.00246

RUN NO. 153/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.972	-3.989	.03750	-.00320	.00130	-.01470	-.02190	-.02190	-.02720	-.01390	-.01850	-.02150
4.009	-1.992	.04120	.00920	.00310	-.00570	-.00900	-.01410	-.01180	-.00530	-.01140	-.01140
4.006	.005	.06030	.03590	.02070	.01610	.00810	.00430	.00200	.01230	.00620	.00470
4.065	2.014	.03910	-.00010	.00710	-.01000	-.00550	-.01040	-.00850	.00180	-.00890	-.00810
4.072	4.011	.04470	.01540	.01340	-.00410	.00120	-.01250	-.00750	-.00260	-.01060	-.00710
	GRADIENT	.00061	.00139	.00141	.00084	.00243	.00112	.00213	.00148	.00091	.00160

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5052) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-OB = -4.000

RUN NO. 154/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.213	-4.083	.02110	-.09180	-.10400	-.10570	-.10690	-.10810	-.10690	-.10570	-.10520	-.10520
-4.197	-2.083	.02080	-.09090	-.10250	-.10540	-.10600	-.10800	-.10600	-.10490	-.10430	-.10370
-4.181	-.083	.02390	-.08560	-.09990	-.10230	-.10280	-.10400	-.10400	-.10230	-.10110	-.10110
-4.262	1.914	.02160	-.08890	-.10220	-.10400	-.10520	-.10570	-.10570	-.10400	-.10220	-.10340
-4.225	3.914	.02200	-.08920	-.10250	-.10430	-.10490	-.10490	-.10600	-.10370	-.10370	-.10310
	GRADIENT	.00013	.00036	.00017	.00021	.00024	.00034	.00011	.00025	.00026	.00023

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF (CE5052) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 9.000 ELV-08 = -4.000

RUN NO. 155/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-1.066	-4.086	.02040	-.09240	-.10460	-.10750	-.10860	-.10920	-.10810	-.10630	-.10520	-.10630
-1.750	-2.089	.02050	-.09240	-.10400	-.10750	-.10690	-.10810	-.10690	-.10520	-.10520	-.10520
-.372	-.089	.02100	-.09120	-.10340	-.10630	-.10630	-.10750	-.10690	-.10570	-.10520	-.10520
-.109	1.914	.02110	-.09120	-.10400	-.10570	-.10690	-.10690	-.10810	-.10570	-.10460	-.10520
.215	3.917	.01960	-.09260	-.10660	-.10780	-.10890	-.10890	-.10950	-.10780	-.10660	-.10660
	GRADIENT	-.00005	.00004	-.00020	.00006	-.00003	.00009	-.00020	-.00018	-.00011	-.00003

RUN NO. 156/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.837	-4.083	.01940	-.09530	-.10810	-.11160	-.11160	-.11160	-.11160	-.10980	-.10920	-.10980
3.759	-2.089	.01930	-.09470	-.10750	-.11100	-.11160	-.11160	-.11100	-.10980	-.10810	-.10860
3.697	-.086	.02110	-.09240	-.10460	-.10810	-.10860	-.10980	-.10920	-.10630	-.10630	-.10630
3.781	1.914	.02040	-.09350	-.10690	-.10920	-.10980	-.11040	-.11040	-.10750	-.10630	-.10750
3.705	3.911	.01910	-.09440	-.10720	-.10950	-.11070	-.11070	-.11130	-.10890	-.10780	-.10780
	GRADIENT	.00003	.00015	.00012	.00030	.00018	.00015	.00006	.00021	.00023	.00026

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-08 = -4.000

RUN NO. 157/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.282	-4.092	.11010	.04220	.03180	.02710	.01490	.01490	.00740	.01490	.01380	.00970
-4.166	-2.089	.10510	.03490	.01920	.01170	.01170	.00470	.00410	.01110	.00760	.00590
-4.150	-.089	.12950	.05470	.06340	.03610	.04190	.02510	.02620	.03610	.02910	.02910
-4.294	1.914	.10580	.03260	.03140	.01050	.01750	.00590	.00650	.01750	.00820	.01110
-4.169	3.917	.09930	.01630	.02210	.00300	.00880	-.00220	-.00050	.00750	-.00110	.00300
	GRADIENT	-.00099	-.00270	-.00036	-.00247	-.00032	-.00165	-.00067	-.00041	-.00146	-.00041

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5053) (22 JAN 76)

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

ABC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5053) (22 JAN 76)

REFERENCE DATA

=	2690.0000	SQ.FT.	=	976.0000	IN. Y1
=	1290.3000	IN.	=	.0000	IN. Y1
=	1290.3000	IN.	=	430.0000	IN. Z1
=	.0100	SCALE	=		

MACH 2
ELV-1B

PARAMETRIC DATA

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RUN NC. 158/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

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ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
- .979	-4 .089	.10750	.03550	.03320	.02150	.01000	.00830	.00250	.00770	.00770	.00480
- .775	-2 .083	.10470	.03530	.02530	.01490	.01310	.00500	.00670	.01020	.00850	.00480
- .356	- .086	.12400	.06550	.03990	.05090	.03230	.03120	.02420	.03000	.02860	.02540
- .047	1 .911	.10970	.03560	.04190	.01920	.03490	.01170	.01000	.01630	.01050	.01340
.418	3 .917	.11320	.04190	.04360	.01520	.03430	.01000	.01170	.01520	.01290	.01520
	GRADIENT	.00682	.00665	.00187	- .00043	.00352	.00050	.00114	.00105	.00062	.00137

RUN NO.	159/ 0	RN/L = 1.61	GRADIENT INTERVAL = -5.00/ 5.00
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	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
ALPHA											
	3.732	.11770	.04160	.04450	.03290	.02190	.02710	.01380	.02600	.02540	.02250
	3.750	.12080	.04600	.05290	.03730	.02800	.02570	.01870	.02620	.02620	.02680
	3.725	-.083	.06580	-.083	.03020	.04820	.02970	.02500	.03310	.03140	.02730
	3.791	1.908	.05030	.04620	.02480	.04040	.02130	.02420	.02420	.02420	.02420
	3.756	3.914	.05450	.03730	.02100	.02970	.01120	.02160	.02620	.02280	.02390
			.00500	.00350	.02100	.02970	.01120	.02160	.02620	.02280	.02390
			.00050	.00050	.00181	.00140	.00181	.00091	.00025	.00045	.00001
			.00050	.00050	.00181	.00140	.00181	.00091	.00025	.00045	.00001

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT.
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH
ELV-1B

PARAMETRIC DATA

ABC87-044 1A82 OTS SBB-OFF MPS-OFF

(CE5054) (22 JAN 76)

RUN NO.	160/ 0	RN/L =	2.69	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

RUN NO.	161 / 0	RN/L =	2.68	GRADIENT	INTERVAL =	-5.00 /	5.00
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ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.562	-4.042	-.1150	-.15540	-.15930	-.15730	-.15950	-.15950	-.15930	-.15710	-.15630	-.15770
.144	-.042	-.10930	-.15350	-.15750	-.15780	-.15780	-.15810	-.15780	-.15530	-.15500	-.15530
.553	3.958	-.11030	-.15570	-.15930	-.16010	-.15960	-.15960	-.15930	-.15630	-.15680	-.15680
	GRADIENT	.00011	-.00004	.00000	-.00027	.00000	-.00014	.00000	-.00010	-.00006	.00011

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TABULATED SOURCE DATA - 1A82C

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ARC87-C44 !A82 OTS SRB-OFF MPS-OFF

(CE5054) (22 JAN 76)

REFERENCE DATA

=	SREF	=	2690.0000	50. FT.	XMRP	=	976.0000	IN.	XT
=	LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
=	BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
=	SCALE	=	.0100						

MACH
ELV-1B

PARAMETRIC DATA

RUN NO.	162/ 0	RN/L =	2.67	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

ARC87-044	1A82	OTS	SRB-NOM	MPS-NOM
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
17	17	17	17	17
18	18	18	18	18
19	19	19	19	19
20	20	20	20	20
21	21	21	21	21
22	22	22	22	22
23	23	23	23	23
24	24	24	24	24
25	25	25	25	25
26	26	26	26	26
27	27	27	27	27
28	28	28	28	28
29	29	29	29	29
30	30	30	30	30
31	31	31	31	31
32	32	32	32	32
33	33	33	33	33
34	34	34	34	34
35	35	35	35	35
36	36	36	36	36
37	37	37	37	37
38	38	38	38	38
39	39	39	39	39
40	40	40	40	40
41	41	41	41	41
42	42	42	42	42
43	43	43	43	43
44	44	44	44	44
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46	46	46	46	46
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49	49	49	49	49
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51	51	51	51	51
52	52	52	52	52
53	53	53	53	53
54	54	54	54	54
55	55	55	55	55
56	56	56	56	56
57	57	57	57	57
58	58	58	58	58
59	59	59	59	59
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62	62	62	62	62
63	63	63	63	63
64	64	64	64	64
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72	72	72	72	72
73	73	73	73	73
74	74	74	74	74
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76	76	76	76	76
77	77	77	77	77
78	78	78	78	78
79	79	79	79	79
80	80	80	80	80
81	81	81	81	81
82	82	82	82	82
83	83	83	83	83
84	84	84	84	84
85	85	85	85	85
86	86	86	86	86
87	87	87		

(CE5055) (22 JAN 76)

REFERENCE DATA

SREF.	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH
ELV-18
==

PARAMETRIC DATA

RUN NO.	163/ 0	RN/L =	2.65	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]

RUN NO: 164/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.587	-4.045	.01260	.00350	-.02000	-.01530	-.02880	-.02740	-.03160	-.00450	-.02710	-.02960
-.103	-.042	.00550	.00410	-.02460	-.02100	-.02820	-.03280	-.03420	-.02010	-.02980	-.03260
.666	3.958	-.00300	-.01130	-.02750	-.03750	-.03940	-.04380	-.04080	-.03310	-.03800	-.04020
	GRADIENT	-.00195	-.00185	-.00094	-.00277	-.00132	-.00205	-.00115	-.00357	-.00136	-.00132

RUN NO.	155/ 0	RN/1	= 2.64	GRADIENT INTERVAL	= -5.00/ 5.00
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[illegible]

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5056) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.000 PT = 15.100
 8.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 166/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.978	.014	-.05010	-.11980	-.12700	-.12740	-.12780	-.12820	-.12860	-.12670	-.12670	-.12630
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 167/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.638	-3.992	-.05320	-.12430	-.13120	-.13120	-.13240	-.13200	-.13200	-.13090	-.12970	-.13090
.022	.011	-.05180	-.12260	-.12910	-.13060	-.13140	-.13100	-.13100	-.13030	-.12990	-.12950
.578	4.014	-.05350	-.12430	-.13160	-.13280	-.13200	-.13160	-.13240	-.13050	-.13010	-.13010
GRADIENT		-.00004	-.00000	-.00005	-.00020	.00005	.00005	-.00005	.00005	-.00005	.00010

RUN NO. 168/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.997	.014	-.05430	-.12550	-.13320	-.13390	-.13430	-.13390	-.13390	-.13350	-.13280	-.13320
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.000 PT = 15.100
 8.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 169/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.875	.014	.05070	.03090	.01860	.01640	.01210	.01210	.00950	.02060	.01290	.01020
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 170/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.865	-3.986	.03770	.00640	.00370	-.00970	-.01240	-.02110	-.02340	-.01620	-.01880	-.02000
-.192	.011	.05970	.03530	.02230	.01470	.01240	.00590	.00590	.01390	.00820	.00630
.597	4.011	.05170	.03280	.03070	.00280	.00890	-.00210	-.00330	.01080	-.00180	-.00060
GRADIENT		.00175	.00080	.00338	.00156	.00266	.00238	.00251	.00338	.00213	.00243

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(CE5057) (22 JAN 76)

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(CE5057) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 171/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.050	.0650	.04380	.02730	.01510	.00710	.00000	.00000	.00000	.01630	.01130	.01020
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5058) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 172/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.240	-.089	.02370	-.09020	-.10310	-.10540	-.10600	-.10770	-.10720	-.10540	-.10480	-.10370
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

RUN NO. 173/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-9.13	-4.083	.02190	-.09250	-.10540	-.10830	-.10890	-.10950	-.10890	-.10600	-.10480	-.10420
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 174/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.791	-.083	.02250	-.09310	-.10480	-.10890	-.10950	-.11010	-.10950	-.10770	-.10660	-.10600
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5059) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

RUN NO. 175/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.172	-0.083	.13070	.05720	.06240	.03730	.04080	.02570	.02690	.03680	.02920	.02920
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 176/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-1.072	-4.086	.10790	.03360	.03000	.01780	.00660	.00550	.00080	.00550	.00550	.00250
-1.381	-0.089	.12440	.06540	.03850	.04780	.02910	.02850	.02150	.02730	.02730	.02730
.409	3.917	.11360	.03990	.04160	.01360	.03460	.00830	.00770	.01360	.00950	.01300
	GRADIENT	.00071	.00078	.00145	-.00053	.00350	.00035	.00086	.00101	.00050	.00131

RUN NO. 177/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.747	-0.086	.12240	.06690	.04060	.04710	.02840	.02840	.02250	.03070	.02840	.02490
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

RUN NO. 178/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.912	-4.039	.11320	.15800	.16300	.16020	.16190	.16350	.16190	.16080	.16080	.16130
-4.016	-0.042	.11060	.15480	.15900	.15840	.15970	.16060	.16040	.15900	.15900	.15900
-3.853	3.964	.11060	.15540	.16010	.16010	.15980	.15900	.15980	.15680	.15570	.15700
	GRADIENT	.00032	.00032	.00035	.00001	.00026	.00056	.00030	.00050	.00064	.00054

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(CE5060) (22 JAN 76)

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(CE5060) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 179/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.546	-4.045	-.11720	-.16420	-.16860	-.16670	-.16750	-.16860	-.16750	-.16840	-.16640	-.16640
.053	-.036	-.11580	-.16280	-.16590	-.16690	-.16670	-.16670	-.16670	-.16440	-.16390	-.16390
.669	3.957	-.11800	-.16560	-.17030	-.17000	-.17000	-.16890	-.16910	-.16610	-.16530	-.16610
GRADIENT		-.00010	-.00017	-.00021	-.00041	-.00031	-.00004	-.00020	-.00004	-.00014	-.00004

RUN NO. 180/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.882	-4.042	-.12190	-.17080	-.17470	-.17500	-.17470	-.17500	-.17410	-.17250	-.17250	-.17250
4.034	-.042	-.11950	-.16760	-.17200	-.17180	-.17260	-.17200	-.17150	-.16930	-.16930	-.16930
4.154	3.951	-.12010	-.16910	-.17380	-.17440	-.17380	-.17223	-.17270	-.17020	-.16940	-.17020
GRADIENT		.00022	.00021	.00011	.00007	.00011	.00035	.00017	.00029	.00039	.00029

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5061) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 181/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.890	-4.042	.00350	-.00750	-.02410	-.01890	-.03050	-.02770	-.03220	-.01140	-.02880	-.02940
-3.900	-.042	-.00150	-.00040	-.02170	-.02120	-.02530	-.02610	-.03140	-.02450	-.02610	-.03060
-3.940	3.958	-.01010	-.02310	-.02870	-.03700	-.03780	-.04000	-.04000	-.03090	-.03750	-.03890
GRADIENT		-.00170	-.00195	-.00057	-.00226	-.00091	-.00154	-.00097	-.00244	-.00109	-.00119

RUN NO. 182/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.634	-4.039	.00920	-.00100	-.02210	-.02100	-.03170	-.02790	-.03370	-.00570	-.02810	-.03170
-.063	-.039	.00150	-.00600	-.02340	-.02260	-.02900	-.03090	-.03400	-.01900	-.03010	-.03170
.788	3.958	-.00460	-.01100	-.03280	-.03870	-.04200	-.04470	-.04200	-.03450	-.03810	-.04090
GRADIENT		-.00173	-.00125	-.00134	-.00221	-.00129	-.00210	-.00104	-.00360	-.00125	-.00115

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(CE5061) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-IB = 10.000 ELV-OB = .000

RUN NO. 183/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.060	-4.045	-.01200	-.03730	-.03030	-.05390	-.04670	-.05530	-.05310	-.02950	-.05420	-.04890
4.009	-.042	-.00330	-.01770	-.01910	-.03180	-.03100	-.03240	-.03650	-.02210	-.03270	-.03380
4.019	3.954	-.00890	-.00340	-.04270	-.04350	-.05180	-.05210	-.05600	-.04130	-.04600	-.05210
	GRADIENT	.00039	.00424	-.00155	.00130	-.00064	.00040	-.00035	-.00147	.00103	-.00040

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(CE5062) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-IB = 10.000 ELV-OB = .000

RUN NO. 184/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-3.963	-3.995	-.05310	-.12190	-.12800	-.12920	-.12880	-.12990	-.12840	-.12760	-.12720	-.12760
-4.050	.008	-.05100	-.12020	-.12740	-.12740	-.12860	-.12970	-.12930	-.12710	-.12670	-.12710
-4.038	4.014	-.04920	-.11770	-.12490	-.12490	-.12610	-.12570	-.12610	-.12420	-.12380	-.12380
	GRADIENT	.00049	.00052	.00039	.00054	.00034	.00052	.00029	.00042	.00042	.00047

RUN NO. 185/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-7.13	-3.989	-.05510	-.12550	-.13240	-.13240	-.13310	-.13310	-.13280	-.13200	-.13120	-.13200
-.091	.011	-.05170	-.12250	-.12930	-.13010	-.13050	-.13120	-.13050	-.13010	-.12970	-.12930
.581	4.014	-.05490	-.12490	-.13140	-.13260	-.13260	-.13260	-.13260	-.13140	-.13110	-.13110
	GRADIENT	.00002	.00007	.00012	-.00003	.00006	.00006	.00002	.00007	.00001	.00011

RUN NO. 186/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.887	-3.986	-.05610	-.12800	-.13530	-.13600	-.13640	-.13720	-.13640	-.13600	-.13530	-.13570
3.825	.011	-.05210	-.12400	-.13090	-.13160	-.13240	-.13280	-.13200	-.13130	-.13090	-.13130
4.062	4.011	-.05430	-.12590	-.13280	-.13390	-.13390	-.13350	-.13350	-.13240	-.13240	-.13200
	GRADIENT	.00022	.00026	.00031	.00026	.00031	.00046	.00036	.00045	.00036	.00046

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(CE5063) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-IB = 10.000 ELV-OB = .000

RUN NO. 187/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.053	-3.989	.03380	.00850	-.00470	-.00850	-.01350	-.01690	-.02040	-.01310	-.01660	-.01850
-4.200	.011	.06120	.03370	.01840	.01880	.01270	.01420	.01040	.02220	.01500	.01120
-4.135	4.011	.04430	.00500	.01450	-.00270	-.00530	-.00910	-.01030	-.00070	-.00610	-.00650
	GRADIENT	.00131	-.00045	.00240	.00072	.00102	.00097	.00126	.00155	.00131	.00150

RUN NO. 188/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-7.09	-3.995	.03340	-.00250	.00020	-.01010	-.01730	-.01930	-.02570	-.01930	-.02120	-.02270
-.041	.008	.05570	.03120	.01820	.01370	.00830	.00450	.00300	.01140	.00640	.00410
.525	4.008	.04890	.01220	.02520	.00150	.00730	-.00230	-.00110	.00990	-.00110	.00000
	GRADIENT	.00194	.00184	.00312	.00145	.00307	.00212	.00307	.00365	.00251	.00284

RUN NO. 189/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.909	-3.992	.03430	-.00700	-.00200	-.01920	-.02570	-.02650	-.03150	-.01690	-.02270	-.02420
3.993	.011	.06280	.03990	.02660	.02200	.01430	.01170	.00820	.01550	.01210	.00980
3.859	4.017	.04730	.02250	.01260	-.00460	-.00150	-.01180	-.00730	-.00150	-.00920	-.00570
	GRADIENT	.00162	.00368	.00182	.00182	.00302	.00183	.00302	.00192	.00168	.00231

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5064) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-IB = 10.000 ELV-OB = .000

RUN NO. 190/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.213	-4.080	.01760	-.09400	-.10500	-.10850	-.10910	-.11030	-.11030	-.10740	-.10800	-.10800
-4.384	-.086	.01880	-.09220	-.10450	-.10680	-.10740	-.10850	-.10910	-.10680	-.10560	-.10620
-4.360	3.914	.01930	-.09160	-.10500	-.10620	-.10740	-.10800	-.10910	-.10680	-.10560	-.10620
	GRADIENT	.00021	.00030	-.00000	.00029	.00021	.00029	.00015	.00008	.00015	.00023

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(CE5064)

(22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-IB = 10.000 ELV-OB = .000

RUN NO. 191/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-1.016	-4.083	.01830	-.09330	-.10620	-.10970	-.10970	-.11150	-.10970	-.10850	-.10740	-.10740
-.294	-.086	.01850	-.09250	-.10530	-.10830	-.10830	-.11060	-.10940	-.10770	-.10710	-.10710
.359	3.914	.01930	-.09280	-.10620	-.10800	-.10970	-.10970	-.10970	-.10860	-.10680	-.10740
	GRADIENT	.00013	.00006	-.00000	.00021	-.00000	.00023	-.00000	-.00001	.00008	-.00000

RUN NO. 192/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.775	-4.092	.02040	-.09400	-.10740	-.11030	-.11030	-.11030	-.11030	-.10860	-.10740	-.10800
3.675	-.086	.02210	-.09150	-.10390	-.10680	-.10740	-.10860	-.10860	-.10570	-.10570	-.10570
3.665	3.920	.01910	-.09420	-.10710	-.11000	-.11060	-.11120	-.11120	-.10880	-.10770	-.10770
	GRADIENT	-.00016	-.00002	.00004	.00004	-.00004	-.00011	-.00011	-.00002	-.00004	.00004

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-IB = 10.000 ELV-OB = .000

RUN NO. 193/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.288	-4.086	.10770	.04020	.02910	.02560	.01280	.01520	.00820	.01460	.01460	.00930
-4.228	-.083	.12600	.05270	.05790	.03290	.03700	.02120	.02300	.03290	.02530	.02530
-4.303	3.917	.09680	.01420	.02120	.00140	.00780	-.00320	-.00030	.00660	-.00150	.00200
	GRADIENT	-.00136	-.00325	-.00099	-.00302	-.00062	-.00230	-.00106	-.00100	-.00201	-.00091

RUN NO. 194/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.950	-4.089	.11070	.03860	.03680	.02520	.01360	.01530	.00780	.01240	.01240	.00950
-.194	-.089	.12750	.07520	.04090	.06120	.03390	.03560	.02810	.03390	.03390	.02870
.325	3.917	.11440	.04460	.04750	.01730	.03880	.01440	.01500	.01840	.01320	.01550
	GRADIENT	.00046	.00075	.00134	-.00099	.00315	-.00011	.00090	.00075	.00010	.00075

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5065)

(22 JAN 76)

DATE 04 FEB 76

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(CE5065) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

RUN NO. 195/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
 3.690
 3.716
 3.697

BETA
 -4.098
 -.089
 3.924
 GRADIENT

CP101
 .11090
 .12320
 .11430
 .00042

CP102
 .03360
 .06910
 .04510
 .00143

CP103
 .03530
 .04120
 .03640
 .00014

CP104
 .02250
 .04820
 .02940
 -.00016

CP105
 .01840
 .02950
 .01130
 .00137

CP106
 .01730
 .02550
 .02120
 -.00075

CP107
 .00860
 .02550
 .02120
 .00157

CP108
 .01790
 .03420
 .02530
 .00092

CP109
 .01790
 .03420
 .02530
 .00092

CP110
 .01790
 .03420
 .02530
 .00092

CP111
 .01440
 .02780
 .02410
 .00121

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

(CE5066) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

RUN NO. 196/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
 -4.066

BETA
 -.042
 GRADIENT

CP101
 -.01450
 .00000
 .00000

CP102
 -.02060
 .00000
 .00000

CP103
 -.02560
 .00000
 .00000

CP104
 -.04080
 .00000
 .00000

CP105
 -.04270
 .00000
 .00000

CP106
 -.04270
 .00000
 .00000

CP107
 -.05100
 .00000
 .00000

CP108
 -.05850
 .00000
 .00000

CP109
 -.05020
 .00000
 .00000

CP110
 -.05020
 .00000
 .00000

CP111
 -.05520
 .00000
 .00000

RUN NO. 197/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
 -.740

BETA
 -4.042
 -.081
 .569
 GRADIENT

CP101
 .00960
 -.00800
 -.01310
 -.00284

CP102
 .00710
 -.00640
 -.02360
 -.00384

CP103
 -.03220
 -.03020
 -.02300
 .00115

CP104
 -.02110
 -.03510
 -.04760
 -.00331

CP105
 -.04350
 -.04210
 -.04870
 -.00065

CP106
 -.04350
 -.04210
 -.04870
 -.00065

CP107
 -.05570
 -.06000
 -.06570
 -.00138

CP108
 -.05790
 -.06390
 -.06950
 -.00145

CP109
 -.03220
 -.04950
 -.05730
 -.00314

CP110
 -.04270
 -.05390
 -.06310
 -.00255

CP111
 -.05350
 -.06030
 -.06450
 -.00138

RUN NO. 198/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
 4.053

BETA
 -.042
 GRADIENT

CP101
 .00610
 .00000
 .00000

CP102
 .00750
 .00000
 .00000

CP103
 -.01880
 .00000
 .00000

CP104
 -.02320
 .00000
 .00000

CP105
 -.03370
 .00000
 .00000

CP106
 -.03370
 .00000
 .00000

CP107
 -.06000
 .00000
 .00000

CP108
 -.06360
 .00000
 .00000

CP109
 -.04840
 .00000
 .00000

CP110
 -.05220
 .00000
 .00000

CP111
 -.05580
 .00000
 .00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

(CE5067) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-IB =

3.000 PT = 15.100
 .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 199/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.088	.011	.05140	.02620	.00500	.00480	-.00360	-.00970	-.01620	-.00430	-.00740	-.01500
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 200/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
.015	.008	.03860	.01380	-.00340	-.02710	-.02440	-.04850	-.04880	-.04390	-.04310	-.04200
.503	4.011	.04450	.02270	.00820	.00820	-.00900	.02610	-.02730	-.01960	-.02160	-.02380
	GRADIENT	.04850	.00310	.03900	-.00530	-.00300	-.02520	-.03470	-.01790	-.02480	-.02550
		.00124	-.00134	.00530	.00273	.00268	.00291	.00176	.00325	.00229	.00206

RUN NO. 201/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.978	.014	.05780	.04400	.01920	.00580	.00280	-.02700	-.03160	-.02890	-.02400	-.02360
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-IB =

3.500 PT = 15.100
 .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 202/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.287	-.083	.11560	.04170	.04690	.01900	.01960	-.00320	-.00490	-.00020	-.00020	-.00020
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 203/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.938	-.083	.10580	.03940	.03010	.00100	-.00660	-.02180	-.02530	-.02350	-.02000	-.01940
-.240	-.086	.10810	.04530	.01840	.01080	.00380	-.01130	-.01360	-.01130	-.01070	-.01010
.290	3.917	.11010	.03440	.04720	.00290	.03610	-.01860	-.02790	-.01920	-.01690	-.01510
	GRADIENT	.00054	-.00063	.00214	.00024	.00534	.00040	-.00033	.00054	.00039	.00054

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

(CE5068) (22 JAN 76)

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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(CE5068) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 204/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.803	-.089	.11000	.05580	.03710	.03830	.01440	-.01120	-.01360	-.00830	-.00540	-.00720
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

(CE5069) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 205/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.115	-.046	.01460	.01410	-.01230	.00440	-.01310	.00160	-.01420	-.00200	-.00260	-.01340
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 206/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.693	-4.042	.00940	.00190	-.02170	-.01670	-.02830	-.01860	-.03220	-.00830	-.01530	-.03080
-.031	-.039	.00310	-.00570	-.01960	-.01710	-.02260	-.01600	-.02460	-.01540	-.01570	-.02290
.566	3.934	-.01810	-.04140	-.02640	-.03970	-.03780	-.03940	-.03890	-.03670	-.03550	-.03750
	GRADIENT	-.00344	-.00541	-.00059	-.00288	-.00119	-.00260	-.00084	-.00355	-.00253	-.00084

RUN NO. 207/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.091	-.042	-.00090	-.01530	-.01750	-.01860	-.02310	-.01950	-.02560	-.02000	-.01970	-.02640
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CE5070) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 208/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
ALPHA	.06400	.04880	.01320	.03310	.01170	.02090	.00940	.02120	.01820	.01090
BETA	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
GRADIENT	.011									

RUN NO. 209/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
ALPHA	.06460	.05310	.00880	.01300	.00230	.00000	.00000	.01640	.00650	.00190
BETA	.05530	.02550	.01790	.01750	.01180	.01410	.00840	.01980	.01640	.00950
GRADIENT	.05070	.02400	.03280	.02060	.02400	.01980	.01790	.02520	.02290	.01950
	-.00049	-.00364	.00300	.00095	.00271	.00248	.00224	.00110	.00205	.00220

RUN NO. 210/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
ALPHA	.07470	.06630	.02580	.04300	.02160	.02770	.01860	.03080	.02660	.01860
BETA	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
GRADIENT	.014									

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

(CE5071) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 211/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
ALPHA	.13390	.09310	.02000	.07020	.02120	.02930	.01360	.03170	.02880	.01880
BETA	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
GRADIENT	-.083									

RUN NO. 212/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
ALPHA	.11900	.04310	.05180	.01970	.02260	.00920	.01510	.03200	.02090	.01910
BETA	.13640	.06620	.04190	.07570	.03950	.05350	.03490	.04940	.05000	.03780
GRADIENT	.11520	.05950	.03050	.04740	.02700	.03460	.02170	.02470	.02290	.02060
	-.00048	.00192	-.00266	.00346	.00055	.00318	.00082	-.00091	.00025	.00019

(CE5071) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	213/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

MACH	=	3.500	PT	=	15.100
ELV-18	=	,000	ELV-08	=	,000

PARAMETRIC DATA

ARC87-044 1A82 OT MPS-NOM (NO. 2 OFF)

(CE5072) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	214/ 0	RN/L =	1.72	GRADIENT INTERVAL =	-5.00/ 5.00
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	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
ALPHA	- .086	.03570	-.06580	-.07570	-.07690	-.07690	-.07450	-.07690	-.07160	-.07280	-.07160
GRADIENT		.00000	.00000	.00000	.00000	.0000C	.00000	.00000	.00000	.00000	.00000

CP108	CP109	CP110	CP111
-.07690	-.07160	-.07280	-.07160
.00000	.00000	.00000	.00000

PARAMETRIC DATA

RUN NO.	215/ 0	RN/L = 1.70	GRADIENT INTERVAL = -5.00/ 5.00
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	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
ALPHA										
BETA										
- .857	.03500	-.06760	-.07570	-.07750	-.07690	-.07690	-.07810	-.07690	-.07630	-.07690
- .194	.03840	-.06410	-.07110	-.07280	-.07170	-.07230	-.07110	-.07230	-.07230	-.07390
.465	.03650	-.06570	-.07650	-.07560	-.07560	-.07560	-.07560	-.07390	-.07390	-.07390
GRADIENT	.00019	.00024	.00001	.00024	.00016	.00016	.00031	.00038	.00030	.00038

5.00

RUN NO.	216/ 0	RN/L = 1.70	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

0/ 5.00

ARC87-044 1A82 OT MPS-NOM (NO.1 OFF)

(CE5073) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 217/ 0 RN/L = 1.73 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.272	- .086	.03320	-.06770	-.07650	-.07940	-.07820	-.07820	-.07650	-.07240	-.07180	-.07240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 218/ 0 RN/L = 1.71 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.907	-4.089	.03670	-.05520	-.07390	-.07820	-.07510	-.07570	-.07450	-.07270	-.07220	-.07270
-.216	-.083	.03530	-.06660	-.07650	-.07830	-.07830	-.07710	-.07540	-.07540	-.07540	-.07540
.247	3.914	.03620	-.08400	-.07500	-.07500	-.07740	-.07500	-.07560	-.07390	-.07390	-.07390
	GRADIENT	-.00006	.00015	-.00014	.00015	-.00029	.00009	-.00014	-.00015	-.00021	-.00015

RUN NO. 219/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.944	-.093	.03710	-.06540	-.07420	-.07710	-.07650	-.07820	-.07710	-.07590	-.07530	-.07530
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 220/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.344	-.083	.02240	-.08730	-.10010	-.10300	-.10300	-.10360	-.10480	-.10360	-.10360	-.10300
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 221/ 0 RN/L = 1.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.919	-4.086	.01660	-.09540	-.10770	-.11000	-.11000	-.11120	-.11060	-.11000	-.11000	-.11000
-.044	-.086	.01950	-.09140	-.10360	-.10650	-.10710	-.10890	-.10770	-.10710	-.10710	-.10710
.347	3.920	.02140	-.08930	-.10270	-.10450	-.10570	-.10570	-.10570	-.10570	-.10570	-.10570
	GRADIENT	.00060	.00076	.00062	.00069	.00054	.00069	.00061	.00054	.00054	.00054

ARC87-044 1A82 OT MPS-OFF

(CE5074) (22 JAN 76)

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

ARC87-044 1A82 OT MPS-OFF

(CE5074) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	3.500	PT	=	15.100
ELV-IB	=	.000	ELV-OB	=	.000

PARAMETRIC DATA

RUN NO. 222/ .0 RN/L = 1.69 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

ARC87-044 I A82 OT MPS-NOM

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	0.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	3.500	PT	=	15.100
ELV-1B	=	.000	ELV-0B	=	.000

PARAMETRIC DATA

RUN NO.	223/ 0	RN/L =	1.68	GRADIENT INTERVAL =	-5.00/ 5.00
---------	--------	--------	------	---------------------	-------------

[illegible]

CP109	CP110	CP111
-.03080	-.03260	-.02790
.00000	.00000	.00000

RUN NO.	224/ 0	RN/L = 1.68	GRADIENT INTERVAL = -5.00/ 5.00
---------	--------	-------------	---------------------------------

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
- .800	-4.086	.04780	-.05240	-.06170	-.06290	-.05400	-.05590	-.05700	-.03550	-.03610	-.03320
- .106	-.086	.04690	-.05380	-.06140	-.06430	-.06430	-.05850	-.05730	-.03810	-.03750	-.03350
.509	3.914	.04590	-.05500	-.06200	-.06430	-.06490	-.06080	-.05790	-.03860	-.04160	-.03340
	GRADIENT	-.00024	-.00033	-.00004	-.00018	-.00011	-.00061	-.00011	-.00039	-.00069	-.00003

	CP109	CP110	CP111
1	-.03550	-.03610	-.03320
2	-.03810	-.03750	-.03350
3	-.03860	-.04160	-.03340
4	-.00039	-.00069	-.00003

RUN NO. 225/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CP109	CP110	CP111
-.04250	-.03900	-.03840
.00000	.00000	.00000

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OT MPS-NOM-

(CE5076) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 226/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.259	-0.083	.04110	-.06140	-.07070	-.07360	-.07240	-.06900	-.06900	-.05790	-.05730	-.05560
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 227/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-0.860	-4.089	.03920	-.06400	-.07390	-.07500	-.07500	-.07150	-.07100	-.05870	-.06050	-.05520
-.194	-.086	.04150	-.06050	-.07040	-.07210	-.07210	-.07040	-.06920	-.05760	-.05700	-.05520
.459	3.911	.04060	-.06190	-.07190	-.07300	-.07300	-.07130	-.06950	-.05840	-.05840	-.05730
	GRADIENT	.00018	.00026	.00025	.00025	.00025	.00003	.00019	.00004	.00026	-.00026

RUN NO. 228/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.897	-.083	.03970	-.06250	-.07240	-.07410	-.07410	-.07300	-.07180	-.06190	-.06070	-.05960
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OT MPS-NOM+

(CE5077) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 229/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.175	-.083	.05480	-.03780	-.04540	-.05120	-.04950	-.03780	-.03610	.00010	.00350	.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 230/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.810	-4.089	.05480	-.04020	-.05060	-.05240	-.05360	-.04020	-.04130	-.01160	-.00060	-.00640
-.194	-.086	.05490	-.04170	-.04810	-.05160	-.04980	-.04230	-.04110	-.01320	-.00560	.00020
.581	3.914	.05890	-.04000	-.04520	-.04990	-.04690	-.04060	-.03650	-.01090	-.01150	.00420
	GRADIENT	.00051	.00002	.00057	.00031	.00084	-.00005	.00060	.00009	-.00136	.00132

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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(CE5077) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 231/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
3.791

BETA
- .089
GRADIENT

CP101
.05760
.00000

CP102
-.04020
.00000

CP103
-.04830
.00000

CP104
-.04950
.00000

CP105
-.04950
.00000

CP107
-.04250
.00000

CP108
-.04080
.00000

CP109
-.01750
.00000

CP110
-.00930
.00000

CP111
-.00760
.00000

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

ARC87-044 1A82 OT MPS-NOM++

(CE5078) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 232/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-4.237

BETA
- .089
GRADIENT

CP101
.09060
.00000

CP102
-.08660
.00000

CP103
-.08250
.00000

CP104
-.09040
.00000

CP105
-.08910
.00000

CP107
-.07850
.00000

CP108
-.07460
.00000

CP109
-.03230
.00000

CP110
-.02570
.00000

CP111
-.01770
.00000

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

ORIGINAL PAGE IS
OF POOR QUALITY

ALPHA
-6.78

BETA
-4.083
- .083
3.911
GRADIENT

CP101
.09190
.09350
.09230
.00005

CP102
-.06800
-.05760
-.07190
-.00049

CP103
-.08780
-.08610
-.08380
.00050

CP104
-.09180
-.09010
-.09170
.00001

CP105
-.09440
-.09010
-.08910
.00066

CP107
-.07990
-.08350
-.08380
-.00049

CP108
-.07850
-.07950
-.07720
.00016

CP109
-.04020
-.04390
-.04540
-.00065

CP110
-.02700
-.03330
-.04270
-.00196

CP111
-.03490
-.02800
-.02420
.00134

RUN NO. 234/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
3.878

BETA
- .089
GRADIENT

CP101
.09700
.00000

CP102
-.06270
.00000

CP103
-.07990
.00000

CP104
-.08520
.00000

CP105
-.08380
.00000

CP107
-.07860
.00000

CP108
-.07330
.00000

CP109
-.04160
.00000

CP110
-.02840
.00000

CP111
-.02580
.00000

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

(CE5079) (22 JAN 76)

ARC87-044 1A82 OT MPS-NOM+++

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 235/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.212	- .089	.10920	-.04130	-.05980	-.06640	-.06770	-.04920	-.04390	.00750	.02210	.03790
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 236/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-1.741	-4.080	.10820	-.04340	-.06450	-.06580	-.06980	-.05130	-.05400	-.00520	.03170	.00670
-.197	-.086	.10670	-.04780	-.06630	-.07160	-.07290	-.05700	-.05440	-.00950	.00900	.01690
.369	3.920	.10510	-.05460	-.06250	-.07570	-.06780	-.06120	-.05190	-.00970	-.00710	.03250
	GRADIENT	-.00039	-.00140	.00025	-.00124	.00025	-.00124	.00026	-.00056	-.00485	.00323

RUN NO. 237/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
4.069	-.086	.10840	-.05190	-.06910	-.07430	-.07430	-.05980	-.05980	-.01760	.00220	.00480
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OT MPS-NOM+++

(CE5080) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 238/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-4.016	-.083	.12370	-.02410	-.04130	-.04920	-.05190	-.03210	-.02280	.04850	.09280	.09070
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 239/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
-.963	-4.086	.12460	-.02260	-.05280	-.04490	-.05680	-.02920	-.03710	.03390	.09960	.05490
-.197	-.089	.11870	-.03530	-.05380	-.05900	-.06300	-.04450	-.04190	.02260	.05160	.06210
.387	3.914	.11860	-.04150	-.04950	-.06670	-.05610	-.04810	-.03230	.02470	.03130	.09610
	GRADIENT	-.00075	-.00236	.00041	-.00272	.00009	-.00236	.00060	-.00115	-.00854	.00515

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-IB = .000 ELV-OB = .000

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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(CE5080) (22 JAN 76)

ARC87-044 1A82 OT MPS-NOM+++

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 240/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP101	CP102	CP103	CP104	CP105	CP107	CP108	CP109	CP110	CP111
3.769	-.086	.12090	-.03560	-.05660	-.06050	-.06450	-.04610	-.04980	.01840	.05250	.04730
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(DE5001) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 1/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.916	-3.992	-.12340	-.12230	-.12340	-.11140	-.00750	-.10740	-.12060	-.10080
-3.963	-1.986	-.12210	-.12210	-.12480	-.11280	-.00620	-.10530	-.12040	-.09400
-3.972	.008	-.12300	-.12300	-.12730	-.10820	-.00240	-.10540	-.11980	-.09760
-3.891	2.011	-.12190	-.12310	-.12730	-.11880	-.00440	-.10580	-.12020	-.09340
-3.941	4.011	-.12090	-.12250	-.12830	-.12090	-.00400	-.10430	-.11980	-.10080
GRADIENT	.00026	.00007	.00007	.00061	.00125	.00044	.00029	.00009	.00003

MACH = 3.000 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 2/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.065	-3.995	-.12640	-.12500	-.12790	-.11590	-.01000	-.10910	-.12190	-.10720
-3.038	-1.992	-.12570	-.12500	-.12810	-.11760	-.00930	-.10850	-.12360	-.10230
-3.060	.008	-.12520	-.12480	-.13020	-.12320	-.00840	-.10750	-.12380	-.10520
-3.072	2.005	-.12420	-.12540	-.13040	-.12460	-.00860	-.10860	-.12330	-.10420
-3.069	4.011	-.12440	-.12630	-.13140	-.12560	-.00340	-.10600	-.12150	-.10480
GRADIENT	.00027	.00005	.00005	.00046	.00133	.00079	.00031	.00006	.00015

(DE5001) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 14.700
 ELV-IB = .000 ELV-OB = .000

RUN NO. 3/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
4.019	-4.005	-1.3020	-1.3020	-1.3450	-1.2750	-0.1320	-1.1240	-1.2680	-1.1590
4.034	-1.986	-1.2750	-1.2750	-1.3260	-1.2010	-0.1140	-1.1060	-1.2580	-1.1220
3.987	.011	-1.2590	-1.2630	-1.3140	-1.2520	-0.0960	-1.1080	-1.2600	-1.1240
3.987	2.014	-1.2630	-1.2710	-1.3180	-1.2590	-0.0650	-1.1040	-1.2520	-1.1390
3.984	4.011	-1.2810	-1.2930	-1.3430	-1.2930	-0.0880	-1.1100	-1.2500	-1.1410
	GRADIENT	.00027	.00011	.00006	-.00047	.00068	.00015	.00021	.00010

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-IB = .000 ELV-OB = .000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(DE5002) (22 JAN 76)

RUN NO. 4/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.671	-4.039	-1.5300	-1.5240	-1.5720	-1.3100	-0.0870	-1.1510	-1.1590	-1.1390
-3.781	-2.039	-1.4830	-1.4830	-1.5450	-1.3080	-0.0510	-1.1490	-1.1580	-1.14050
-3.784	-.042	-1.4840	-1.4720	-1.5790	-1.3880	-0.0790	-1.14970	-1.15730	-1.13170
-3.697	1.945	-1.4650	-1.4760	-1.5520	-1.4530	-0.0000	-1.14960	-1.15640	-1.13780
-3.587	3.958	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
	GRADIENT	.01543	.01531	.01572	.01241	.00935	.01514	.01611	.01415

RUN NO. 5/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.144	-4.045	-1.5660	-1.5690	-1.6250	-1.3580	-0.09140	-1.15470	-1.16000	-1.14910
.209	-2.046	-1.5380	-1.5350	-1.5890	-1.3940	-0.08770	-1.15270	-1.16170	-1.15550
.156	-.046	-1.5040	-1.5040	-1.5570	-1.4420	-0.08140	-1.15190	-1.15950	-1.15810
.150	1.961	-1.5250	-1.5370	-1.6020	-1.5310	-0.08240	-1.15360	-1.16260	-1.14510
.044	3.954	-1.5610	-1.5830	-1.6620	-1.5770	-0.07920	-1.14640	-1.15990	-1.14330
	GRADIENT	.00012	-.00015	-.00043	-.00287	.00148	.00078	-.00004	.00110

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(DE5002) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 6/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
4.279	-4.042	-16080	-16000	-16450	-14960	-09190	-15370	-16050	-15770
4.231	-2.046	-15640	-15500	-15920	-15190	-08780	-15110	-16030	-16000
4.231	-0.42	-15520	-15520	-15970	-15050	-08390	-15300	-16260	-16510
4.231	1.958	-15490	-15610	-16060	-15610	-08110	-15160	-15980	-14490
4.219	3.964	-15750	-16000	-16550	-15970	-08530	-14850	-16200	-14880
GRADIENT		.00040	-.00006	-.00027	-.00122	.00099	.00049	-.00013	.00164

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 7/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.684	-4.042	-03610	-02780	-03860	-03720	-01810	-03510	-04290	-04480
-3.850	-2.046	-03170	-02340	-03030	-03230	-01180	-02820	-03350	-03540
-3.931	-0.42	-03260	-03210	-03350	-03430	-01370	-03230	-03450	-03650
-3.853	1.951	-03500	-03530	-03780	-03800	-01600	-03740	-03400	-03990
-3.843	3.958	-03480	-04060	-04340	-04340	-01930	-04650	-03730	-04400
GRADIENT		-.00004	-.00188	-.00086	-.00091	-.00033	-.00160	.00053	-.00015

RUN NO. 8/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.100	-4.052	-03450	-02890	-03670	-03950	-02030	-03610	-04730	-03950
-.025	-2.049	-03270	-02860	-03750	-03910	-01540	-03540	-03930	-03620
-.050	-0.42	-03620	-03650	-04120	-04200	-01940	-03970	-04360	-04640
-.031	1.961	-03490	-03990	-04240	-04180	-01990	-04290	-04070	-04210
.075	3.961	-04050	-04250	-04910	-05000	-02510	-05310	-04510	-05040
GRADIENT		-.00071	-.00192	-.00148	-.00118	-.00070	-.00207	.00015	-.00138

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5003) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5003) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	2.600	PT	=	14.700
ELV-1B	=	.000	ELV-OB	=	.000

PARAMETRIC DATA

RUN NO.	9/ 0	RN/L =	2.56	GRADIENT INTERVAL =	-5.00/	5.00
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ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
4.137	-4.039	-0.4520	-0.3490	-0.4910	-0.5160	-0.2560	-0.4660	-0.5440	-0.4780
4.231	-2.049	-0.3080	-0.2650	-0.3640	-0.3910	-0.1350	-0.3680	-0.3990	-0.2930
4.284	-0.046	-0.4200	-0.4010	-0.4560	-0.4730	-0.2200	-0.4580	-0.5090	-0.4780
4.228	1.958	-0.2980	-0.4430	-0.4510	-0.4350	-0.2180	-0.4760	-0.4740	-0.4780
4.069	3.954	-0.4510	-0.5400	-0.5680	-0.5570	-0.2890	-0.5660	-0.5300	-0.5830
	GRADIENT	0.0006	0.0021	-0.0121	-0.0063	-0.0075	-0.0154	0.0024	-0.0180

ARC87-044 IA82 OTS SRB-NOM-MPS-NOM

(DE5004) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	50.FT.	XMRP		976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=		.0100					

MACH	=	2.600	PT	=	14.700
ELV-18	=	.000	ELV-08	=	.000

PARAMETRIC DATA

RUN NO.	10/ 0	RN/L =	2.55	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

RUN NO.	11	0	RN/L	=	2.55	GRADIENT INTERVAL	=	-5.00/	5.00
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ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.150	-4.042	-.06050	-.05180	-.06220	-.06110	-.03540	-.05270	-.06350	-.06440
.094	-.039	-.05110	-.04860	-.05280	-.05450	-.02710	-.04940	-.05240	-.05860
-.012	3.961	-.06390	-.06800	-.06940	-.06940	-.03890	-.06810	-.06170	-.07010
	GRADIENT	-.00041	-.00202	-.00090	-.00104	-.00044	-.00192	-.00023	-.00071

RUN NO.	12/ 0	RN/L =	2.55	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(DE5005) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

RUN NO. 13/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.853	-0.039	-0.01240	-0.01570	-0.01980	-0.01900	-0.00310	-0.01850	-0.02180	-0.02180
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 14/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.029	-4.049	-0.01210	-0.01020	-0.02170	-0.02330	-0.00310	-0.01850	-0.03000	-0.01980
.091	-0.046	-0.00470	-0.01210	-0.01130	-0.01110	-0.00320	-0.01470	-0.01740	-0.00620
.069	3.958	-0.01990	-0.01970	-0.02760	-0.02950	-0.00730	-0.03330	-0.02650	-0.03830
	GRADIENT	-0.00097	-0.00119	-0.00074	-0.00077	-0.00052	-0.00185	.00044	-0.00231

RUN NO. 15/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.972	-0.039	-0.00650	-0.00100	-0.00180	-0.00310	.00800	-0.00950	-0.01250	.00910
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

(DE5006) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

RUN NO. 16/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.947	-0.039	-0.02320	-0.02430	-0.02820	-0.03160	-0.01030	-0.03120	-0.03450	-0.03090
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 17/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.029	-4.045	-0.03650	-0.03230	-0.03930	-0.04480	-0.02240	-0.04350	-0.05410	-0.04050
.100	-0.042	-0.03370	-0.03650	-0.03900	-0.04150	-0.02040	-0.04290	-0.04600	-0.03930
.122	3.964	-0.04740	-0.05330	-0.05910	-0.06410	-0.03210	-0.06410	-0.05880	-0.05940
	GRADIENT	-0.00136	-0.00265	-0.00247	-0.00181	-0.00121	-0.00257	-0.00059	-0.00236

ARC87-044 1A82 OTS SRB-NOM MPS-NOM-
(DE5006) (22 JAN 76)

REFERENCE DATA

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SREF =
LREF =
BREF =
SCALE =
```

XMRP	=	976.0000	IN.	XT
YMRP	=	.0000	IN.	YT
ZMRP	=	400.0000	IN.	ZT

MACH
ELV-18

RUN NO.	18/ 0	RN/L = 2.54	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

REFERENCE DATA

SREF	=
LREF	=
BREF	=
SCALE	=

XMRP	=	976.0000	IN.	XT
YMRP	=	.0000	IN.	YT
ZMRP	=	400.0000	IN.	ZT

MACH
ELV-18

RUN NO.	19/ 0	RN/L = 2.54	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

RUN NO.	20/ 0	RN/L = 2.54	GRADIENT INTERVAL = -5.00/ 5.00.
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ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.016	-4.052	-.04260	-.03930	-.04320	-.04430	-.02230	-.03260	-.04650	-.04570
.125	-.012	-.02390	-.02670	-.02920	-.02860	-.00870	-.02560	-.02950	-.03150
-.034	3.958	-.03540	-.03930	-.04150	-.04200	-.01840	-.04360	-.03420	-.04500
	GRADIENT	.00000	.00000	.00021	.00029	.00049	-.00137	.00154	.00009

RUN NO.	21/ 0	RN/L = 2:54	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

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TABULATED SOURCE DATA - 1A82C

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(DE5008) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

RUN NO. 22/ 0 RN/L = 1.22 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.869	-0.042	.04270	.03900	.03350	.02420	.05470	.01890	.01390	.04420
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 23/ 0 RN/L = 1.23 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.139	-4.039	.00520	-.00040	-.00530	-.00660	.02600	-.00570	-.01740	-.00070
.169	-.039	.04680	.04560	.03370	.01940	.04980	.00560	-.00380	.04660
.072	3.958	.01270	.01030	.00840	-.00220	.03640	-.00890	-.00400	.01530
	GRADIENT	.00094	.00134	.00171	.00055	.00130	-.00040	.00168	.00200

RUN NO. 24/ 0 RN/L = 1.23 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
4.159	-.046	.04180	.04120	.02250	.01200	.04010	.00290	-.00950	.03080
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

(DE5009) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

RUN NO. 25/ 0 RN/L = .99 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.935	.008	.04940	.04330	.03630	.02770	.10360	.03250	.02300	.04980
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 26/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.065	-3.995	.04310	.04480	.03360	.02840	.10080	.04130	.01370	.04650
.200	.011	.06700	.06610	.05060	.03930	.11030	.06290	.02070	.06290
.012	4.008	.05320	.04980	.04290	.03520	.10840	.03040	.03290	.05350
	GRADIENT	.00126	.00063	.00116	.00085	.00095	-.00136	.00240	.00088

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ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

(DE5009) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 27/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.134
 BETA .014
 GRADIENT .08760
 CP112 .00000
 CP113 .08420
 CP114 .06690
 CP121 .05570
 CP122 .12290
 CP123 .05050
 CP124 .03750
 CP131 .07550
 MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-OB = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-OFF MPS-NOM+++

(DE5010) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 28/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.978
 BETA .014
 GRADIENT .00440
 CP112 .00000
 CP113 .00180
 CP114 -.02750
 CP121 -.03860
 CP122 .05400
 CP123 -.00010
 CP124 -.00690
 CP131 -.02750
 MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 29/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .006
 BETA -3.992
 GRADIENT .014
 CP112 -.00940
 CP113 -.01120
 CP114 -.04380
 CP121 -.04720
 CP122 .04170
 CP123 -.00970
 CP124 -.03970
 CP131 -.04320
 MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-OB = .000

RUN NO. 30/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.053
 BETA .008
 GRADIENT .00910
 CP112 .00000
 CP113 -.01080
 CP114 -.04610
 CP121 -.05820
 CP122 .04350
 CP123 -.01830
 CP124 -.02860
 CP131 -.03980
 MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-OB = .000

PARAMETRIC DATA

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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(DE5011) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-OB = .000

RUN NO. 31/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-3.978

BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.008	-.04170	-.03910	-.05890	-.06320	.03940	-.03350	-.03950	-.05840
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 32/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-.050
.084
-.091

BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.995	-.04940	-.04940	-.06570	-.06830	.03130	-.03480	-.06140	-.06740
.008	-.04510	-.04430	-.06400	-.07090	.03290	-.04420	-.05450	-.06820
4.017	-.04370	-.04460	-.06440	-.07650	.03780	-.05260	-.05080	-.06550
GRADIENT	.00071	.00060	.00016	-.00102	.00081	-.00222	.00132	.00024

RUN NO. 33/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
4.150

BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.014	-.04780	-.04780	-.06940	-.07890	.03010	-.04840	-.05620	-.07080
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM+ MPS-NCM

(DE5012) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 10.700
 ELV-1B = .000 ELV-OB = .000

RUN NO. 34/ 0 RN/L = 1.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-3.928

BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.014	-.00130	-.00180	-.00560	-.00780	.03060	-.00160	-.00810	-.00320
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 35/ 0 RN/L = 1.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
.075
.075
.034

BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.989	.00140	.00030	-.00400	-.00400	.03230	.00170	-.00850	-.00210
.014	.01150	.00660	.00280	-.00100	.03370	-.00030	-.00350	.01160
4.014	.00860	.00540	.00430	-.00050	.03710	-.00150	.00280	.00710
GRADIENT	.00030	.00064	.00104	.00044	.00060	-.00040	.00141	.00115

ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(DE5012) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 10.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 36/ 0 RN/L = 1.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
4.118	.006	.02720	.02020	.01370	.00830	.04120	.01060	.00250	.02300
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5013) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

RUN NO. 37/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.972	-3.989	-.02700	-.02470	-.02770	-.02770	.03000	-.01410	-.02510	-.03270
-3.931	-1.999	-.01420	-.01270	-.01760	-.01800	.03570	-.00990	-.01520	-.01900
-4.153	.008	.00310	.00500	.00000	-.00150	.04670	.00530	.00070	-.00500
-4.128	2.014	.00310	-.00220	-.00380	-.00410	.04490	.00160	-.00220	-.00640
-3.981	4.008	-.00970	-.01130	-.01630	-.01550	.03650	-.01220	-.01100	-.01600
	GRADIENT	.00269	.00186	.00183	.00191	.00111	.00077	.00206	.00230

RUN NO. 38/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.072	-3.992	-.02440	-.02440	-.02820	-.02780	.03090	-.01890	-.02950	-.02880
.103	-1.992	-.01580	-.01390	-.01880	-.01960	.03660	-.01170	-.01890	-.01890
.125	.011	-.00030	-.00110	-.00490	-.00570	.04390	-.00100	-.00590	-.00480
.044	2.008	-.00030	-.00530	-.00760	-.00830	.04130	-.00700	-.00930	-.01040
.062	4.008	-.00340	-.00570	-.01210	-.01290	.03980	-.01120	-.01120	-.01420
	GRADIENT	.00288	.00230	.00217	.00206	.00113	.00101	.00231	.00189

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 IAB2 OTS SRB-NOM MPS-NOM

(DE5013) (22 JAN 76)

REFERENCE DATA

SREF	=	2590.0000
LREF	=	1290.3000
BREF	=	1290.3000
SCALE	=	.0100

XMRP	=	976.0000	IN.	XT
YMRP	=	.0000	IN.	YT
ZMRP	=	400.0000	IN.	ZT

MACH
ELV-1B

3,000	PT	=	15,100
.000	ELV-OB	=	.000

PARAMETRIC DATA

RUN NO.	39/ 0	RN/L =	2.09	GRADIENT INTERVAL =	-5.00/ 5.00
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ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
4.090	-3.992	-0.1880	-0.1690	-0.2380	-0.2380	0.3310	-0.0510	-0.2880	-0.02530
4.044	-1.985	-0.1010	-0.0860	-0.1690	-0.1690	0.3810	-0.00940	-0.1740	-0.01550
4.000	0.09	-0.0600	-0.0590	-0.0890	-0.1080	0.4160	-0.00670	-0.1310	-0.00330
3.956	2.017	-0.0690	-0.1140	-0.1450	-0.1560	0.3780	-0.1260	-0.1680	-0.1380
4.122	4.011	-0.1060	-0.1860	-0.1780	-0.2010	0.3610	-0.2010	-0.1860	-0.2170
GRADIENT		0.0098	-0.0033	-0.0072	0.0043	0.0028	-0.0066	-0.0105	-0.0044

REFERENCE DATA

```

SREF      = 2690.0000
LREF      = 1290.3000
BREF      = 1290.3000
SCALE     = .0100

```

XMRP	=	976.0000	IN.	XT
YMRP	=	.0000	IN.	YT
ZMRP	=	400.0000	IN.	ZT

MACH =
ELV-18 =

3.000	PT	=	15.100
.000	ELV-OB	=	.000

PARAMETRIC DATA

ARC87-044 1A82 QTS SRB-OFF MPS-NOM

(DE5014) (22 JAN 76)

RUN NO.	40/ 0	RN/L =	2.08	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

RUN NO.	41/ 0	RN/L =	2.09	GRADIENT INTERVAL =	-5.00/	5.00
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ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.059	-3.989	-.07960	-.07930	-.08340	-.08270	.00190	-.06340	-.07560	-.08740
.022	.011	-.07470	-.07430	-.07580	-.07580	.00420	-.06380	-.07720	-.07710
-.063	4.011	-.07580	-.07500	-.07810	-.07770	.00410	-.06440	-.07010	-.07650
	GRADIENT	.00048	.00054	.00066	.00063	.00028	-.00012	.00069	.00136

RUN NO.	42/ 0	RN/L =	2.08	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

ARC87-044 1A82 OTS SRB-OFF MPS-NOM*

(DE5015) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.000 PT = 15.100
 .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 43/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.860	.014	-.05150	-.05000	-.06140	-.06180	.01220	-.04780	-.05540	-.06490
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 44/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.012	-3.992	-.05830	-.05600	-.06750	-.06860	.00800	-.05240	-.06190	-.07030
.078	.014	-.05280	-.05280	-.06270	-.06460	.01080	-.04950	-.05620	-.06450
.056	4.017	-.05280	-.05280	-.06340	-.06690	.01040	-.05230	-.05730	-.06600
	GRADIENT	.00069	.00040	.00051	.00021	.00030	.00001	.00057	.00054

RUN NO. 45/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.925	.008	-.05660	-.05540	-.06760	-.06950	.00940	-.05180	-.05580	-.06820
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.000 PT = 15.100
 .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 46/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.063	.008	-.02090	-.01830	-.02170	-.02280	.03350	-.01200	-.01850	-.02690
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 47/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.125	-3.983	-.04010	-.03820	-.04240	-.04280	.02200	-.03000	-.03910	-.04290
-.003	.014	-.02600	-.02490	-.02910	-.02950	.02900	-.02080	-.02650	-.03290
.087	4.008	-.03090	-.03210	-.03660	-.03660	.02340	-.03060	-.03440	-.03780
	GRADIENT	.00115	.00076	.00073	.00078	.00018	-.00007	.00059	.00064

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(DE5016) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(DE5018) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 52/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-3.919BETA
GRADIENT

CP112 .01120
 CP113 .01270
 CP114 .00930
 CP121 .00850
 CP122 .05320
 CP123 .01530
 CP124 .01070
 CP131 .00430
 .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 53/ 0

RN/L = 2.08

GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
.075
.087
-0.047BETA
GRADIENT

CP112 -.01280
 CP113 -.01400
 CP114 -.01700
 CP121 -.01740
 CP122 .03480
 CP123 -.01230
 CP124 -.02060
 CP131 -.02020
 .00520 .00370 .00180 .00110 .04900 .00730 .00350 .00190
 .00500 .00540 .00050 -.00220 .04830 .00170 .00280 -.00480
 .00223 .00243 .00219 .00190 .00169 .00175 .00293 .00193

RUN NO. 54/ 0

RN/L = 2.08

GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
3.922BETA
GRADIENT

CP112 .00750
 CP113 .00600
 CP114 .00410
 CP121 .00110
 CP122 .04890
 CP123 .00420
 CP124 .00040
 CP131 .00610
 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 55/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-4.294
-4.356
-4.212
-4.262
-4.141BETA
GRADIENT

CP112 -.10770
 CP113 -.10830
 CP114 -.10830
 CP121 -.09670
 CP122 .07370
 CP123 -.07460
 CP124 -.09780
 CP131 -.08210
 -.10620 -.10860 -.10680 -.10100 .07690 -.07200 -.09460 -.07370
 -.10600 -.10770 -.10770 .07650 .07650 -.09670 -.09670 -.07290
 .10540 .10540 .10650 .07360 .07360 -.07480 -.07600 -.07600
 -.10600 -.10710 -.10130 .07720 -.07030 -.08070 -.09580 -.08070
 .00021 .00019 .00024 .00033 .00018 .00029 .00003 .00003

ARC87-044 1A82 OTS SRB-OFF MPS-CFF

(DE5019) (22 JAN 76)

DATE 04 FEB 76

TABULATED SOURCE DATA - 1AB2C

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(DE5019) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

RUN NO. 56/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.204	-4.089	-.11030	-.11210	-.11380	-.10630	.07370	-.07670	-.10110	-.08890
-.206	-2.089	-.10980	-.10980	-.11090	-.10450	.07570	-.07350	-.09730	-.08160
-.181	-.083	-.10980	-.11090	-.11380	-.10630	.07320	-.07610	-.10050	-.08480
-.231	1.917	-.10740	-.10860	-.10860	-.10340	.07590	-.07270	-.09700	-.08190
-.197	3.914	-.10830	-.11000	-.11000	-.10480	.07440	-.07490	-.09990	-.09000
	GRADIENT	.00026	.00027	.00049	.00020	.00008	.00022	.00013	-.00012

RUN NO. 57/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.715	-4.083	-.11240	-.11240	-.11590	-.10710	.07260	-.07720	-.10050	-.09580
3.662	-2.086	-.11090	-.11150	-.11500	-.11030	.07660	-.07550	-.09990	-.09000
3.716	-.086	-.11150	-.11320	-.11500	-.11150	.07230	-.07750	-.10250	-.09260
3.681	1.911	-.11150	-.11380	-.11560	-.10980	.07360	-.07810	-.10370	-.09550
3.765	3.914	-.11120	-.11290	-.11410	-.11120	.07590	-.07580	-.10080	-.09260
	GRADIENT	.00009	-.00017	.00015	-.00039	.00018	.00001	-.00022	.00005

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5020) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

RUN NO. 58/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.213	-4.086	.01040	.01150	.00690	.00690	.12240	.02600	.00930	.00640
-4.150	-2.089	.00980	.00930	.00750	.00690	.12470	.02600	.01220	.00990
-4.287	-.086	.01470	.01530	.01240	.01240	.12590	.02780	.01510	.01110
-4.172	1.917	.00620	.00500	.00150	.00150	.12060	.01780	.00570	.00050
-4.272	3.914	.01240	.01000	.00480	.00430	.12490	.02050	.01070	.00320
	GRADIENT	.00002	-.00037	-.00051	-.00053	.00004	-.00096	-.00019	-.00079

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5020) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 59/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-1.147	-4.086	.00840	.00840	.00610	.00610	.12140	.02380	.00830	.00650
-1.188	-2.089	.00900	.00780	.00610	.00490	.12360	.02260	.00760	.00700
-1.031	-1.089	.02490	.02660	.01850	.01510	.12700	.02940	.01720	.02360
-1.122	1.914	.01450	.01210	.00980	.00810	.12290	.02070	.01380	.00920
-1.278	3.911	.00930	.00750	.00520	.00290	.12360	.01860	.01280	.00470
	GRADIENT	.00036	.00012	.00009	-.00016	.00018	-.00062	.00076	-.00007

RUN NO. 60/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.887	-4.089	.02200	.02320	.01510	.01510	.12710	.03250	.01220	.01920
3.881	-2.092	.03120	.02830	.02490	.02250	.13370	.03730	.02290	.03160
3.794	-1.080	.02280	.02110	.01650	.01470	.12740	.02870	.01600	.01770
3.966	1.914	.02460	.02460	.02060	.01770	.13010	.02960	.01980	.02440
3.856	3.920	.02280	.01990	.01590	.01240	.12880	.02200	.02030	.02090
	GRADIENT	-.00025	-.00052	-.00014	-.00051	-.00001	-.00143	.00065	-.00019

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 61/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.991	-1.083	.00550	.00440	.02230	.02690	.10550	-.00040	-.01090	-.02710
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 62/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-1.194	-4.080	.01680	.01510	.03360	.03650	.09900	-.00050	-.03060	-.03690
-1.225	-1.089	.01110	.00990	.02850	.03480	.10160	-.00600	-.01760	-.03430
-1.097	3.914	.00970	.01080	.03110	.04210	.10510	-.01450	-.01570	-.03300
	GRADIENT	.00089	.00054	.00031	-.00070	.00076	-.00175	.00186	.00049

ARC87-044 1A82 OTS SRB-OFF MPS-NOM+

(DE5021) (22 JAN 76)

ARC87-044 !A82 OTS SRB-OFF MPS-NOM+

(DE5021) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	63/ 0	RN/L = 1.65	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

MACH	3.500	PT	15.100
ELV-IB	.000	ELV-OB	.000

PARAMETRIC DATA

ARC87-044 I A82 OTS SRB-OFF MPS-NOM

(DE5022) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	64	0	RN/L =	1.64	GRADIENT INTERVAL =	-5.00	5.00
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[illegible]

MACH	=	3.500	PT	=	15.100
ELV-IB	=	.000	ELV-OB	=	.000

PARAMETRIC DATA

RUN NO.	65	0	RN/L	=	1.64	GRADIENT INTERVAL	=	-5.00	5.00
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ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-100	-4.089	-0.0440	-0.04150	-0.05190	-0.05300	0.09390	-0.02650	-0.04730	-0.05710
-216	-0.093	-0.0380	-0.03770	-0.04810	-0.05270	0.09950	-0.01960	-0.03410	-0.04910
-294	3.917	-0.04050	-0.04110	-0.05210	-0.05790	0.09990	-0.03030	-0.04130	-0.05230
	GRADIENT	0.00050	0.00095	0.00002	0.00061	0.00075	0.00047	0.00075	0.00060

CP124	CP131
-.04730	-.05710
-.03410	-.04910
-.04130	-.05230
.00075	.00060

RUN NO.	66/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

CP124	CP131
.03870	-.05150
.00000	.00000

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(DE5023) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-OB = .000

RUN NO. 57/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.200	-0.086	-0.0960	-0.01080	-0.01420	-0.01480	.11130	.00440	-0.00890	-0.01470
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 58/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-0.266	-4.083	-0.1100	-0.1390	-0.0230	-0.02140	.10770	-0.00050	-0.02070	-0.02190
-0.022	-0.086	-0.0230	-0.0280	-0.0400	-0.0520	.11540	.01180	-0.00160	-0.00680
-0.247	3.914	-0.0620	-0.00440	-0.01310	-0.1380	.00580	.00079	-0.00520	-0.01160
	GRADIENT	.00060	.00119	.00119	.00104	.00076	.00079	.00194	.00129

RUN NO. 59/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.728	-0.086	-0.0410	-0.0460	-0.0870	-0.0990	.11460	.00930	-0.00400	-0.00630
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-OB = .000

RUN NO. 70/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.087	-0.086	.00920	.00810	.00580	.00460	.12400	.02250	.00870	.00580
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 71/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-0.075	-4.083	.00520	.01040	.00340	.00170	.12310	.02080	.00340	.01100
-0.178	-0.089	.01620	.01270	.01040	.00690	.12400	.02000	.01080	.01770
-0.197	3.911	.01220	.00760	.00700	.00470	.12640	.01830	.01080	.01250
	GRADIENT	.00088	-0.00035	.00045	.00038	.00041	-0.00031	.00093	.00019

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM-

(DE5024) (22 JAN 76)

DATE 04 FEB 76

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

(DE5024) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

ALPHA	BETA	GRADIENT	RUN NO.	72/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
3.747	-.083		CP112	CP113	CP114	CP121
			.03360	.02960	.02320	.01740
			.00000	.00000	.00000	.00000
			CP123	CP122	CP124	CP131
			.02880	.13100	.01490	.02820
			.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

ALPHA	BETA	GRADIENT	RUN NO.	73/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
-4.134	-.083		CP112	CP113	CP114	CP121
			.03400	.03400	.02180	.01610
			.00000	.00000	.00000	.00000
			CP123	CP122	CP124	CP131
			.03630	.13110	.02880	.02190
			.00000	.00000	.00000	.00000

ALPHA	BETA	GRADIENT	RUN NO.	74/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
-.104	-4.086		CP112	CP113	CP114	CP121
-.153	-.086		.03280	.02580	.01250	.01230
-.206			.03470	.03300	.02090	.01510
			.02730	.03370	.01580	.02070
			-.00069	.00099	.00041	-.00105
						.00042
			CP123	CP122	CP124	CP131
			.03180	.12310	.00980	.00750
			.00000	.00000	.02100	.02100
			.02300	.12650	.02300	.01730
			-.00139	.00122	.00165	.00122

ALPHA	BETA	GRADIENT	RUN NO.	75/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
3.825	-.083		CP112	CP113	CP114	CP121
			.02860	.02860	.01300	.00720
			.00000	.00000	.00000	.00000
			CP123	CP122	CP124	CP131
			.02490	.12670	.01330	.01330
			.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(DE5026) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.500 PT = 10.700
 .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 76/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.156

BETA
 GRADIENT

CP112 .01240
 CP113 .01150
 CP114 .00170
 CP121 -.00320
 CP122 .08310
 CP123 .01350
 CP124 .00290
 CP131 .00050
 .00000 .00000 .00000 .00000 .00000 .00000

ALPHA -4.163

BETA
 GRADIENT

CP112 .02790
 CP113 .02060
 CP114 .01150
 CP121 .01150
 CP122 .09470
 CP123 .03160
 CP124 .01350
 CP131 .02260
 .00012 .00089 -.00009 -.00042 .00036 -.00146

ALPHA 3.806

BETA
 GRADIENT

CP112 .04200
 CP113 .04120
 CP114 .03540
 CP121 .03540
 CP122 .11010
 CP123 .04290
 CP124 .03140
 CP131 .03960
 .00000 .00000 .00000 .00000 .00000 .00000

ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

(DE5027) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.500 PT = 6.700
 .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 79/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.209

BETA
 GRADIENT

CP112 -.02330
 CP113 -.02590
 CP114 -.04420
 CP121 -.05210
 CP122 .13370
 CP123 -.00360
 CP124 -.02320
 CP131 -.03760
 .00000 .00000 .00000 .00000 .00000 .00000

ALPHA -4.256

BETA
 GRADIENT

CP112 -.04100
 CP113 -.04230
 CP114 -.05080
 CP121 -.06740
 CP122 .11480
 CP123 -.02080
 CP124 -.05890
 CP131 -.06420
 .00164 .00114 .00100 .00002 .00210 -.00071

ALPHA -4.256

BETA
 GRADIENT

CP112 -.04100
 CP113 -.04230
 CP114 -.05080
 CP121 -.06740
 CP122 .11480
 CP123 -.02080
 CP124 -.05890
 CP131 -.06420
 .00164 .00114 .00100 .00002 .00210 -.00071

DATE 04 FEB 76

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(DE5027) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 81/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.694	-.083	-.04000	-.04390	-.06640	-.07820	.11670	-.03090	-.05200	-.06120
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-OFF MPS-NOM***

(DE5028) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 82/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.159	-.083	-.01590	.00800	-.02620	-.03810	.14290	.01150	-.00420	-.02130
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 83/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.147	-4.083	.00550	.00160	-.03270	-.04060	.12480	-.00020	-.04230	-.04360
-.181	-.089	.01110	.00450	-.02970	-.04680	.13660	-.00530	-.02500	-.03160
-.300	3.917	.01190	.00140	-.03150	-.05380	.13910	-.01830	-.01830	-.03400
	GRADIENT	.00080	-.00003	.00015	-.00165	.00179	-.00226	.00300	.00120

RUN NO. 84/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.731	-.083	.00470	-.00320	-.03880	-.05720	.12940	-.01400	-.03370	-.04030
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(DE5029) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.500 PT = 6.700
 .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 85/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.184	-.083	.02120	.01720	.01320	.01060	.16590	.03640	.01530	.01660
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 86/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.060	-4.089	.02810	.02020	.00840	.00710	.16260	.03270	.00780	.02880
-.009	-.083	.02680	.03200	.01490	.01230	.17600	.04090	.02250	.03820
-.160	3.917	.02350	.03010	.00900	.00110	.16610	.02390	.00810	.02790
	GRADIENT	-.00057	.00124	.00008	-.00075	.00044	-.00110	.00004	-.00011

RUN NO. 87/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.850	-.083	.04700	.04700	.04050	.04050	.18900	.06070	.04900	.05030
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

2.600 PT = 15.100
 4.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 88/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.963	-.039	-.15450	-.15340	-.16550	-.14210	-.08780	-.15460	-.16280	-.13670
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 89/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.057	-4.045	-.15960	-.15960	-.16440	-.13790	-.09770	-.15710	-.16390	-.14900
.137	-.042	-.15550	-.15550	-.16400	-.14800	-.08970	-.15760	-.16540	-.14470
.244	3.961	-.15620	-.15850	-.16690	-.15790	-.08440	-.15010	-.16250	-.14530
	GRADIENT	.00042	.00014	-.00031	-.00250	.00166	.00027	.00017	.00046

(DE5030) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

DATE 04 FEB 76

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(DE5030) (22 JAN 76)

REFERENCE DATA

SREF	=	2630.0000	SO. FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	90/ 0	RN/L =	2.63	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

MACH	=	2.600	PT	=	15.100
ELV-1B	=	4.000	ELV-08	=	.000

PARAMETRIC DATA

REFERENCE DATA

SREF	=	2630.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1230.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1230.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	91/ 0	RN/L =	2.65	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

MACH	=	2.600	PT	=	15.100
ELV-18	=	4.000	ELV-08	=	.000

PARAMETRIC DATA

RUN NO.	92/ 0	RN/L =	2.64	GRADIENT INTERVAL =	-5.00/ 5.00
---------	-------	--------	------	---------------------	-------------

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.012	-4.045	-.03530	-.02870	-.03700	-.03860	-.02210	-.03580	-.04680	-.03910
.122	-.042	-.03350	-.03430	-.03930	-.03930	-.01990	-.03850	-.04160	-.04460
.013	3.958	-.03920	-.04390	-.04800	-.04880	-.02530	-.05170	-.04430	-.05030
	GRADIENT	-.00049	-.00190	-.00137	-.00127	-.00040	-.00199	-.00031	-.00140

RUN NO.	93/ 0	RN/L =	2.63	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]

/ 5.00

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(DE5032) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

3.000 PT = 15.100
 4.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 94/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.791	.011	-.12770	-.12660	-.13120	-.11020	-.01430	-.11240	-.12650	-.10370
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 95/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.169	-3.992	-.13020	-.13020	-.13100	-.11690	-.02110	-.11690	-.13030	-.11280
.044	.011	-.12840	-.12800	-.13330	-.12420	-.01730	-.11300	-.12750	-.10890
-.006	4.011	-.12720	-.12910	-.13450	-.12680	-.01350	-.11110	-.12600	-.10920
	GRADIENT	.00037	.00014	-.00044	-.00124	.00095	.00072	.00054	.00045

RUN NO. 96/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
4.062	.014	-.13140	-.13140	-.13670	-.12870	-.02090	-.11750	-.13160	-.11600
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

3.000 PT = 15.100
 4.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 97/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.007	.014	.00540	.00730	.00200	.00050	.04980	.00760	.00380	-.00300
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 98/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.050	-3.989	-.02220	-.02180	-.02530	-.02530	.03020	-.01770	-.02800	-.02610
.137	.008	.00300	-.00010	-.00200	-.00350	.04420	.00040	-.00370	-.00220
.097	4.011	-.00100	-.00360	-.01010	-.01200	.04030	-.01030	-.01030	-.01410
	GRADIENT	.00265	.00227	.00190	.00166	.00126	.00092	.00221	.00150

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5033) (22 JAN 76)

DATE 04 FEB 76

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5033) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	99/ 0	RN/L = 2.10	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

MACH	3.000	PT	15.100
ELV-1B	4.000	ELV-0B	.000

PARAMETRIC DATA

ARC87-044 IA82 OTS SRSB-OFF MPS-OFF

(DE5034) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	50. FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	100/ 0	RN/L =	1.65	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

MACH	=	3.500	PT	=	15.100
ELV-18	=	4.000	ELV-08	=	.000

PARAMETRIC DATA

RUN NO. 101/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.250	-4.083	-.10650	-.10710	-.10950	-.10420	.07510	-.07840	-.10220	-.09170
-.103	-.086	-.10740	-.10740	-.11150	-.10570	.07570	-.07600	-.08530	-.09150
-.247	3.917	-.10680	-.10800	-.11030	-.10570	.07710	-.07630	-.10130	-.09150
	GRADIENT	-.00004	-.0001	-.00010	-.00019	.00025	.00026	.00011	.00002

CP123	CP124	CP131
- .07840	- .10220	- .09170
- .07600	- .10050	- .08530
- .07630	- .10130	- .09150
.00026	.00011	.00002

RUN NO.	102/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
---------	--------	-------------	---------------------------------

[illegible]

0/ 5.00	CP123	CP124	CP131
	- .07750	- .10130	- .09140
	.00000	.00000	.00000

Age Group	Percentage
18-29	85%
30-49	80%
50-69	75%
70+	70%

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5035) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

RUN NO. 103/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.056	-0.086	.01140	.01140	.00910	.00790	.12330	.02330	.01170	.00770
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 104/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-0.063	-4.086	.00540	.00480	.00190	.00190	.12030	.02050	.00430	.00250
-0.184	-0.089	.02570	.02160	.01750	.01400	.12650	.02610	.01500	.02430
-0.100	3.914	.00610	.00490	.00260	.00030	.12070	.01370	.00680	-0.00080
	GRADIENT	.00009	.00001	.00009	-0.00020	.00005	-0.00085	.00031	-0.00041

RUN NO. 105/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.785	-0.086	.02300	.02070	.01610	.01370	.12980	.03060	.01730	.01960
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-0B = -4.000

RUN NO. 106/ 0 RN/L = 2.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.669	-0.042	.15250	.15140	.16350	.14070	.08800	.15450	.16250	.13610
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 107/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.141	-4.045	.15780	.15780	.16280	.13610	.09720	.15570	.16170	.14660
.194	-0.039	.15510	.15450	.16280	.14680	.08970	.15650	.16370	.14300
.057	3.961	.15590	.15810	.16610	.15810	.08410	.14870	.16110	.14370
	GRADIENT	.00024	-0.00004	-0.00041	-0.00275	.00164	.00087	.00007	.00036

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(DE5036) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(DE5038) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.000 PT = 15.100
 4.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 112/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.763	.011	-.12750	-.12680	-.13100	-.11000	-.01610	-.11400	-.12810	-.10490
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 113/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.003	-3.986	-.13060	-.13060	-.13170	-.11720	-.01940	-.11580	-.12910	-.11120
.187	.011	-.12930	-.12890	-.13380	-.12510	-.01920	-.11480	-.12890	-.11060
-.063	4.014	-.12940	-.13100	-.13630	-.12910	-.01310	-.11250	-.12850	-.11140
	GRADIENT	.00015	-.00005	-.00058	-.00149	.00079	.00041	.00008	-.00003

RUN NO. 114/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.978	.008	-.13250	-.13250	-.13750	-.12830	-.01860	-.11640	-.13050	-.11520
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.000 PT = 15.100
 4.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 115/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.969	.008	.00480	.00590	.00060	-.00060	.04850	.00750	.00210	-.00430
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 116/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
.191	-3.992	-.02150	-.02110	-.02490	-.02420	.03210	-.01600	-.02630	-.02440
.144	.011	.00420	.00160	-.00110	-.00260	.04670	.00270	-.00190	-.00110
-.138	4.008	.00100	-.00130	-.00770	-.00920	.04400	-.00640	-.00570	-.01020
	GRADIENT	.00281	.00248	.00215	.00188	.00149	.00120	.00258	.00178

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5039) (22 JAN 76)

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(DE5039) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO-FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	3.000	PT	=	15.100
ELV-18	=	4.000	ELV-08	=	-4.000

PARAMETRIC DATA

RUN NO.	117/ 0	RN/L =	2.10	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]

ARC87-044 IAB2 OTS SRB-OFF MPS-OFF

(DE5040) (22 JAN 76)

REFERENCE DATA

SREF	=	2590.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	3.500	PT	=	15.100
ELV-18	=	4.000	ELV-08	=	-4.000

PARAMETRIC DATA

RUIN NO.	118/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/	5.00
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[illegible]

RUN NO.	119/ 0	RN/L =	1.64	GRADIENT INTERVAL =	-5.00/ 5.00
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ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.038	-4.085	-.10750	-.10750	-.11040	-.10450	.07650	-.07720	-.10110	-.09120
-.278	-.085	-.10370	-.10480	-.10890	.10250	.08060	-.07110	-.07980	-.07980
-.372	3.917	-.10220	-.10460	-.10530	.10220	.08370	-.07140	-.09540	-.08600
	GRADIENT	.00065	.00036	.00051	.00029	.00090	.00072	.00059	.00065

RUN NO.	120/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

(DE5041) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 121/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.112	-0.086	.01360	.01360	.01070	.00950	.12640	.02640	.01480	.01020
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 122/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-2.204	-4.083	.00690	.00640	.00350	.00400	.12300	.02270	.00700	.00470
-0.094	-0.086	.02670	.02320	.01860	.01510	.12830	.02910	.01750	.02730
-1.116	3.917	.00670	.00500	.00380	.00090	.12430	.01750	.01120	.00300
	GRADIENT	.00003	.00018	.00004	.00039	.00016	.00065	.00052	.00021

RUN NO. 123/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.875	-0.089	.02310	.02020	.01550	.01320	.12640	.02760	.01360	.01660
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(DE5042) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 124/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.800	-0.046	.16100	.16020	.17200	.14410	.08890	.15830	.16750	.14030
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 125/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.478	-4.042	.15890	.15890	.16280	.14030	.09560	.15720	.16560	.14570
.141	-0.042	.15830	.15860	.16680	.14870	.08840	.15150	.16600	.14520
.889	3.961	.15910	.16080	.16960	.16080	.08450	.15150	.16380	.14750
	GRADIENT	.00003	.00024	.00085	.00256	.00139	.00071	.00022	.00022

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(DE5042) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 126/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
4.116	-0.042	-0.16080	-0.16140	-0.16650	-0.15070	-0.09380	-0.16070	-0.16890	-0.15290
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5043) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 127/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.728	-0.042	-0.02750	-0.02720	-0.02910	-0.03030	-0.01150	-0.02900	-0.03040	-0.02980
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 128/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.490	-0.042	-0.03100	-0.02480	-0.03230	-0.03460	-0.01970	-0.03440	-0.04550	-0.03610
.194		-0.03430	-0.03180	-0.03700	-0.03840	-0.01800	-0.04020	-0.04270	-0.04330
.860	3.961	-0.03730	-0.04340	-0.04790	-0.04920	-0.02360	-0.05300	-0.04690	-0.05160
	GRADIENT	-0.00079	-0.00232	-0.00195	-0.00182	-0.00049	-0.00232	-0.00018	-0.00194

RUN NO. 129/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
4.022	-0.042	-0.02960	-0.02820	-0.03550	-0.03740	-0.01720	-0.04040	-0.04320	-0.03430
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(DE5044) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

3.000 PT = 15.100
 10.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 130/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.978 BETA .011
 GRADIENT .00000
 CP112 -12540
 CP113 -12730
 CP114 -13160
 CP121 -11720
 CP122 -00850
 CP123 -11200
 CP124 -12680
 CP131 -10340
 .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 131/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -.638 BETA .011
 GRADIENT .00037
 CP112 -13040
 CP113 -12960
 CP114 -13000
 CP121 -11600
 CP122 -01560
 CP123 -11370
 CP124 -12770
 CP131 -10900
 .081 .011 .00027 .00070 .00205 .00032 .00025 .00005 .00012 .00000

RUN NO. 132/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA 4.075 BETA .014
 GRADIENT .00000
 CP112 -13040
 CP113 -13040
 CP114 -13430
 CP121 -12530
 CP122 -01450
 CP123 -11490
 CP124 -12850
 CP131 -11370
 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

3.000 PT = 15.100
 10.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 133/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.966 BETA .014
 GRADIENT .00000
 CP112 -1270
 CP113 -1120
 CP114 -00810
 CP121 -00580
 CP122 -05200
 CP123 -01060
 CP124 -00500
 CP131 -00750
 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000

RUN NO. 134/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -.619 BETA -3.986
 GRADIENT .011
 CP112 -12250
 CP113 -11840
 CP114 -12290
 CP121 -02370
 CP122 -03120
 CP123 -01510
 CP124 -02690
 CP131 -02430
 .225 .011 .00490 .00410 .00070 .00160 .00320 .00140 .00170 .00170
 .753 4.011 .00010 .00530 .00830 .01210 .04180 .01170 .01440 .01440
 .00283 .00164 .00183 .00145 .00133 .00066 .00066 .00190 .00124 .00124

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(DE5045) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5045) (22 JAN 76)

REFERENCE DATA

SREF	=	2590.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	135/ 0	RN/L =	2.09	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

MACH	=	3.000	PT	=	15.100
ELV-1B	=	10.000	ELV-0B	=	-4.000

PARAMETRIC DATA

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(DE5046) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO. 136/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

MACH	=	3.500	PT	=	15.100
ELV-IB	=	10.000	ELV-OB	=	-4.000

PARAMETRIC DATA

RUN NO.	137/ 0	RN/L =	1.60	GRADIENT INTERVAL =	-5.00/ 5.00
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ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.778	-4.083	-.10760	-.10820	-.11000	-.10350	.08320	-.07430	-.09870	-.08860
-.147	-.086	-.10640	-.10760	-.11120	-.10640	.08440	-.07310	-.09870	-.08260
.540	3.917	-.10730	-.10910	-.11090	-.10730	.08400	-.07430	-.09930	-.09090
	GRADIENT	.00004	-.00011	-.00011	-.00047	.00010	-.00000	-.00008	-.00029

CP124	CP131
- .09870	- .08860
- .09870	- .08260
- .09930	- .09090
- .00008	- .00029

RUN NO.	138/ 0	RN/L = 1.60	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

CP124	CP131
.10050	-.09150
.00000	.00000

CP124 CP1

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(DE5047) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.500 PT = 15.100
 10.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 139/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.134	-0.083	.02560	.02620	.02160	.01760	.13070	.03150	.02110	.02110
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 140/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-6.35	-4.086	.01230	.01050	.00760	.00820	.12430	.02570	.00950	.01070
-.062	-.089	.03690	.02710	.02130	.01780	.13040	.03120	.02020	.03870
.522	3.914	.01350	.01000	.00710	.00540	.12550	.02050	.01350	.01120
	GRADIENT	.00015	-.00006	-.00006	-.00035	.00015	-.00065	.00050	.00006

RUN NO. 141/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.863	-.083	.03170	.02710	.02070	.01720	.12960	.03320	.01710	.03030
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(DE5048) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

2.600 PT = 15.100
 8.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 142/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.859	-4.039	.16370	.16220	.17070	.13910	.09480	.16060	.16850	.13770
-3.859	-.042	.16020	.16130	.17060	.14860	.08330	.15650	.16550	.14050
-3.958	3.958	.15650	.15850	.16920	.15510	.08720	.15340	.16380	.14160
	GRADIENT	.00090	.00046	.00019	-.00200	.00095	.00090	.00059	-.00049

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(DE5048) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 975.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 143/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.725	-4.042	-.16820	-.16650	-.17240	-.14760	-.09890	-.16460	-.17170	-.14400
-.005	-.042	-.16600	-.16630	-.17510	-.15220	-.09010	-.16110	-.17020	-.14850
.635	3.970	-.16490	-.16780	-.17480	-.16490	-.08550	-.15590	-.16980	-.15060
	GRADIENT	.00041	-.00016	-.00030	-.00216	.00167	.00109	.00024	-.00082

RUN NO. 144/ 0 PN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
4.194	-4.055	-.16590	-.16560	-.16840	-.15460	-.09910	-.15950	-.16570	-.16260
4.063	-.046	-.16070	-.16070	-.16630	-.15110	-.09360	-.16000	-.16810	-.15210
4.110	3.954	-.16000	-.16160	-.16980	-.16160	-.08940	-.15520	-.16620	-.15060
	GRADIENT	.00074	.00050	-.00017	-.00087	.00121	.00054	-.00006	.00150

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 975.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 145/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.875	-4.049	-.03400	-.02620	-.03510	-.03510	-.01690	-.03230	-.04010	-.03950
-3.741	-.042	-.03100	-.03050	-.03240	-.03320	-.01320	-.03010	-.03120	-.03180
-3.909	3.961	-.03870	-.04490	-.04600	-.04710	-.02270	-.05140	-.04140	-.04980
	GRADIENT	-.00059	-.00233	-.00136	-.00150	-.00072	-.00238	-.00016	-.00129

RUN NO. 146/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.781	-4.042	-.03140	-.02510	-.03230	-.03420	-.01940	-.03370	-.04470	-.03590
.044	-.046	-.03480	-.03230	-.03760	-.03950	-.01770	-.03940	-.04190	-.04270
.522	3.958	-.03850	-.04660	-.04850	-.04960	-.02430	-.05160	-.04640	-.05190
	GRADIENT	-.00089	-.00269	-.00203	-.00193	-.00061	-.00224	-.00021	-.00200

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5049) (22 JAN 76)

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-IB = 8.000 ELV-OB = -4.000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5049) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 147/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
4.082	-4.045	-.05320	-.03970	-.05680	-.05740	-.03430	-.05500	-.06300	-.05940
4.034	-.046	-.03220	-.03030	-.03740	-.03910	-.01860	-.04230	-.04560	-.03710
4.100	3.961	-.04550	-.05160	-.05680	-.05650	-.03110	-.05920	-.05590	-.06000
	GRADIENT	.00096	-.00149	-.00000	.00011	.00040	-.00053	.00089	-.00008

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(DE5050) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 148/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.960	-3.986	-.12800	-.12720	-.12800	-.11500	-.01760	-.11240	-.12610	-.10140
-4.050	-1.995	-.12630	-.12520	-.12900	-.11720	-.01210	-.10940	-.12350	-.09760
-3.903	.008	-.12820	-.12970	-.13390	-.11940	-.01210	-.11260	-.12710	-.10310
-3.822	2.014	-.12270	-.12420	-.12800	-.12080	-.01090	-.10790	-.12160	-.09270
-3.875	4.017	-.12400	-.12620	-.13230	-.12280	-.01140	-.11010	-.12570	-.10630
	GRADIENT	.00058	.00015	-.00038	-.00096	.00068	.00030	.00013	-.00025

RUN NO. 149/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.666	-3.989	-.13080	-.13080	-.13120	-.11670	-.01870	-.11510	-.12840	-.11010
-4.438	-1.989	-.12780	-.12710	-.13130	-.11870	-.01640	-.11340	-.12590	-.10310
-.094	.014	-.12950	-.12990	-.13330	-.12530	-.01720	-.11390	-.12840	-.10900
.072	2.017	-.12760	-.12880	-.13300	-.12730	-.01410	-.11230	-.12630	-.10690
.487	4.011	-.13080	-.13270	-.13750	-.13080	-.01270	-.11200	-.12730	-.10980
	GRADIENT	.00001	-.00027	-.00069	-.00184	.00071	.00036	.00009	-.00016

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(DE5050) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH
 ELV-18 = 3.000 PT = 15.100
 8.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 150/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
4.022	-3.992	-1.3580	-1.3580	-1.3880	-1.3160	-0.2030	-1.1730	-1.3110	-1.2420
4.078	-1.989	-1.3130	-1.3160	-1.3510	-1.2170	-0.1870	-1.1300	-1.2900	-1.1300
4.081	.011	-1.3160	-1.3160	-1.3540	-1.2660	-0.1840	-1.1580	-1.2880	-1.1510
4.050	2.011	-1.2990	-1.3070	-1.3370	-1.2920	-0.1470	-1.1400	-1.2840	-1.1590
4.016	4.014	-1.3140	-1.3290	-1.3710	-1.3060	-0.1310	-1.1430	-1.2800	-1.1470
	GRADIENT	.00051	.00033	.00024	-0.0027	.00092	.00025	.00034	.00080

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5051) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH
 ELV-18 = 3.000 PT = 15.100
 8.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 151/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.888	-3.989	-1.01870	-0.01560	-0.02020	-0.02100	-0.3290	-0.01010	-0.02000	-0.02610
-3.950	-1.989	-0.00730	-0.00460	-0.01070	-0.01140	-0.3990	-0.0270	-0.00850	-0.01530
-3.910	.014	.00760	.00760	.00420	.00150	.04900	.00790	.00260	.00300
-3.922	2.008	.00430	-0.0030	-0.0330	-0.0490	.04670	.00100	-0.0170	-0.00390
-3.997	4.008	-0.00840	-0.01110	-0.01600	-0.01640	.03970	-0.01310	-0.00970	-0.01690
	GRADIENT	.00161	.00067	.00079	.00079	.00092	-0.00011	.00137	.00149

RUN NO. 152/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.903	-3.989	-0.02380	-0.02110	-0.02570	-0.02610	.03030	-0.01690	-0.02830	-0.02680
-3.566	-1.995	-0.01310	-0.00970	-0.01660	-0.01730	.03680	-0.00970	-0.01650	-0.01650
-3.119	.011	.00120	-0.00030	-0.00380	-0.00490	.04450	-0.00010	-0.00500	-0.00430
.131	2.014	-0.00280	-0.00770	-0.00770	-0.01080	.04190	-0.00640	-0.00940	-0.00940
.387	4.008	-0.00300	-0.00760	-0.01210	-0.01480	.03910	-0.01150	-0.01340	-0.01650
	GRADIENT	.00259	.00148	.00181	.00146	.00114	.00071	.00185	.00139

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5051) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

3.000 PT = 15.100
 8.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 153/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.972	-3.989	-.02300	-.02000	-.02870	-.02680	.02880	-.01880	-.03330	-.03290
4.009	-1.992	-.01330	-.01480	-.01980	-.02130	.03410	-.01310	-.02490	-.01730
4.006	.005	.00320	.00200	-.00260	-.00680	.04510	-.00050	-.00590	.00180
4.065	2.014	-.00810	-.01270	-.01650	-.01800	.03620	-.01550	-.01780	-.01510
4.072	4.011	-.00830	-.01590	-.01630	-.01930	.03780	-.01930	-.01710	-.01290
	GRADIENT	.00173	.00051	.00140	.00091	.00100	-.00017	.00197	.00211

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(DE5052) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-18 =

3.500 PT = 15.100
 8.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 154/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.213	-4.083	-.10570	-.10630	-.10690	-.09820	.08100	-.07230	-.09560	-.07350
-4.197	-2.083	-.10490	-.10600	-.10890	-.10140	.08080	-.07320	-.09700	-.07670
-4.181	.083	-.10230	-.10280	-.10520	-.09590	.08390	-.06940	-.09330	-.07120
-4.262	1.914	-.10170	-.10340	-.10400	-.09820	.08100	-.06940	-.09380	-.07350
-4.225	3.914	-.10310	-.10490	-.10540	-.09960	.08360	-.06920	-.09360	-.08140
	GRADIENT	.00042	.00027	.00040	.00002	.00027	.00050	.00036	-.00063

RUN NO. 155/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-1.066	-4.086	-.10630	-.10690	-.10980	-.10280	.08060	-.07210	-.09590	-.08370
-.750	-2.089	-.10460	-.10630	-.10860	-.10170	.08100	-.07230	-.09620	-.07870
-.372	.089	-.10570	-.10630	-.11040	-.10340	.08140	-.07060	-.09440	-.07820
-.109	1.914	-.10460	-.10690	-.10810	-.10340	.08120	-.07150	-.09650	-.08190
.215	3.917	-.10660	-.10890	-.11010	-.10660	.08250	-.07260	-.09820	-.08830
	GRADIENT	-.00003	-.00023	-.00001	-.00046	.00020	-.00001	-.00025	-.00062

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(DE5052) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-IB = 8.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 156/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.837	-4.083	-1.0980	-1.1100	-1.1270	-1.1050	.07830	-.07460	-.10020	-.09910
3.759	-2.089	-1.0860	-1.0980	-1.1330	-1.0690	.07760	-.07580	-.10140	-.09150
3.697	-.086	-1.0630	-1.0750	-1.1040	-1.0570	.08070	-.07500	-.09880	-.08890
3.781	1.914	-1.0690	-1.0920	-1.1040	-1.0690	.08180	-.07270	-.09760	-.08830
3.706	3.911	-1.0720	-1.0950	-1.1130	-1.0600	.08160	-.07290	-.09670	-.08800
	GRADIENT	.00035	.06018	.00029	-.00055	.00054	.00033	.00054	.00127

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5053) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-IB = 8.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 157/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.282	-4.092	.01260	.01150	.00970	.01030	.12610	.02870	.01250	.01130
-4.166	-2.089	.00590	.00590	.00360	.00300	.12250	.02110	.00780	.00200
-4.150	-.089	.02910	.02740	.02330	.01980	.13280	.03420	.02500	.02610
-4.294	1.914	.00990	.00880	.00390	.00300	.12590	.02050	.01060	.00200
-4.169	3.917	.00360	.00070	-.00340	-.00570	.12080	.01240	.00320	-.01070
	GRADIENT	-.00070	-.00093	-.00119	-.00160	-.00036	-.00166	-.00079	-.00220

RUN NO. 158/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.979	-4.089	.00710	.00650	.00360	.00480	.12360	.02450	.00830	.00770
-.775	-2.083	.00620	.00500	.00380	.00270	.12240	.02170	.00720	.00540
-.356	-.086	.03290	.02590	.02130	.01780	.13180	.03160	.02110	.03500
-.047	1.911	.01340	.01110	.00880	.00650	.12590	.02170	.01530	.01180
.418	3.917	.01750	.01290	.01000	.00880	.12460	.02140	.01390	.01220
	GRADIENT	.00140	.00094	.00089	.00059	.00027	-.00031	.00096	.00077

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(DE5053) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH
ELV-1B

3.500	PT	=	15.100
8.000	ELV-08	=	-4.000

PARAMETRIC DATA

RUN NO.	159/ 0	RN/L =	1.61	GRADIENT INTERVAL =	-5.00/	5.00
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	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
ALPHA								
BETA								
	.00010	-.00048	.00001	.00004	-.00012	-.00053	.00066	-.00001
GRADIENT	.00010	-.00048	.00001	.00004	-.00012	-.00053	.00066	-.00001
	.02390	.02040	.01750	.01520	.13060	.02870	.02110	.02290
	.02360	.02360	.01840	.01720	.13100	.02030	.02030	.02490
	.03260	.02360	.02770	.02040	.13540	.03870	.02360	.03520
	.02450	.02680	.01980	.01580	.13190	.03220	.01940	.02230
	.02250	.02360	.01670	.01550	.13140	.03300	.01500	.02430

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(DE5054) (22 JAN 76)

REFERENCE DATA

SREF	=	2590.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH
ELV-18

2.500	PT	=	15.100
8.000	80-A73	=	.000

PARAMETRIC DATA

RUN NO.	!60/ 0	RN/L =	2.69	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

RUN NO.	161/ 0	RN/L =	2.68	GRADIENT INTERVAL =	-5.00/	5.00
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ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.562	-4.042	-.15770	-.15740	-.16180	-.13890	-.09780	-.15690	-.16430	-.14660
.144	-.042	-.15750	-.15670	-.16580	-.14810	-.09220	-.15880	-.16550	-.14550
.653	3.958	-.15790	-.16010	-.16820	-.15990	-.08720	-.15010	-.16250	-.14620
	GRADIENT	-.00002	-.00034	-.00080	-.00262	-.00133	.00095	.00023	.00005

RUN NO.	162/ 0	RN/L =	2.67	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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(DE5055) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-1B = 8.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 163/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.819	-0.039	-0.03260	-0.03200	-0.03480	-0.03500	-0.01460	-0.03410	-0.03410	-0.03550
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 164/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-0.587	-4.045	-0.03050	-0.02410	-0.03130	-0.03380	-0.01850	-0.03280	-0.04330	-0.03500
-0.103	-0.042	-0.03200	-0.03060	-0.03530	-0.03730	-0.01650	-0.03770	-0.03990	-0.04020
.666	3.958	-0.03720	-0.04380	-0.04690	-0.04770	-0.02430	-0.05240	-0.04660	-0.05130
	GRADIENT	-0.00084	-0.00246	-0.00195	-0.00174	-0.00072	-0.00245	-0.00041	-0.00204

RUN NO. 165/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.981	-0.039	-0.03160	-0.02880	-0.03690	-0.03910	-0.01870	-0.04240	-0.04490	-0.03630
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 166/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.978	.014	-0.12700	-0.12820	-0.13280	-0.11940	-0.01140	-0.11260	-0.12780	-0.10420
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 167/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-0.638	-3.992	-0.13050	-0.13050	-0.13120	-0.11750	-0.01890	-0.11520	-0.12900	-0.10910
.022	.011	-0.13030	-0.12990	-0.13490	-0.12640	-0.01790	-0.11420	-0.12880	-0.11040
.578	4.014	-0.13050	-0.13160	-0.13770	-0.13120	-0.01460	-0.11330	-0.12930	-0.11140
	GRADIENT	.00000	-0.00014	-0.00081	-0.00171	.00054	.00024	-0.00004	-0.00029

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(DE5056) (22 JAN 76)

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(DE5056) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 168/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.997	.014	-.13280	-.13320	-.13740	-.12860	-.02090	-.11830	-.13130	-.11790
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 169/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.875	.014	.01140	.01140	.00760	.00530	.05380	.01150	.00650	.00610
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 170/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.866	-3.986	-.02080	-.01850	-.02340	-.02300	.03400	-.01360	-.02430	-.02240
-.182	.011	.00700	.00510	.00170	.00020	.05060	.00650	.00190	.00380
.597	4.011	-.00020	-.00410	-.00900	-.01170	.04280	-.00910	-.01100	-.01400
GRADIENT		.00258	.00180	.00180	.00141	.00110	.00056	.00166	.00105

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

(DE5057) (22 JAN 76)

RUN NO. 171/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
4.050	.008	.00860	.00790	.00370	-.00130	.04870	.00340	-.00270	.00680
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

PARAMETRIC DATA

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(DE5059) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 8.000 ELV-08 = .000

RUN NO. 172/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.240	-0.089	-0.10480	-0.10480	-0.10890	-0.09900	-0.08460	-0.07100	-0.09720	-0.07450
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 173/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-9.13	-4.083	-0.10480	-0.10500	-0.10830	-0.10190	-0.08050	-0.07560	-0.09890	-0.08790
-3.47	-0.089	-0.10570	-0.10680	-0.10980	-0.10390	-0.08200	-0.07240	-0.09570	-0.08060
.209	3.914	-0.10600	-0.10830	-0.11010	-0.10600	-0.08510	-0.07210	-0.09660	-0.08730
	GRADIENT	-0.00015	-0.00029	-0.00023	-0.00051	-0.00058	-0.00044	-0.00029	-0.00007

RUN NO. 174/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.791	-0.083	-0.10600	-0.10600	-0.10950	-0.10540	-0.08250	-0.07240	-0.09630	-0.08760
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(DE5059) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 8.000 ELV-08 = .000

RUN NO. 175/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.172	-0.083	-0.02920	-0.02980	-0.02450	-0.02040	-0.13650	-0.03530	-0.02480	-0.02600
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 176/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-1.072	-4.086	-0.00550	-0.00490	-0.00200	-0.00140	-0.12370	-0.02280	-0.00580	-0.00580
-3.381	-0.089	-0.03030	-0.02380	-0.01450	-0.01860	-0.13210	-0.02940	-0.01950	-0.03230
.409	3.917	-0.01420	-0.01120	-0.00890	-0.00770	-0.12720	-0.02270	-0.01280	-0.01110
	GRADIENT	.00109	.00079	.00086	.00079	.00044	-0.00001	.00087	.00066

(DE5059) (22 JAN 76)

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 177/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.747	-0.086	.03130	.02660	.02080	.01790	.13300	.03570	.02110	.03330
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 178/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.912	-4.039	-.16240	-.16130	-.16850	-.13730	-.09560	-.15880	-.16620	-.13590
-4.016	-.042	-.16040	-.16150	-.17090	-.14850	-.08500	-.15670	-.16500	-.14020
-3.853	3.964	-.15680	-.15900	-.16950	-.15540	-.09090	-.15440	-.16540	-.14220
	GRADIENT	.00070	.00029	-.00012	-.00226	.00059	.00055	.00010	-.00079

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 179/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-5.46	-4.045	-.16750	-.16610	-.17160	-.14480	-.09880	-.16260	-.17030	-.14350
.053	-.036	-.16670	-.16720	-.17630	-.15280	-.09370	-.16190	-.17070	-.14840
.669	3.967	-.16610	-.16910	-.17550	-.16580	-.08620	-.15830	-.17180	-.15280
	GRADIENT	.00017	-.00037	-.00049	-.00262	.00157	.00054	-.00019	-.00116

RUN NO. 180/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.882	-4.042	-.17410	-.17250	-.17690	-.16030	-.10290	-.16730	-.17310	-.15730
4.034	-.042	-.17120	-.17120	-.17870	-.15990	-.09780	-.16490	-.17400	-.15440
4.154	3.961	-.17050	-.17300	-.18020	-.16880	-.09470	-.16320	-.17460	-.15850
	GRADIENT	.00045	-.00006	-.00041	-.00106	.00102	.00051	-.00019	-.00015

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(DE5061) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 181/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.890	-4.042	-0.3130	-0.0280	-0.03050	-0.03160	-0.01520	-0.03010	-0.03780	-0.03560
-3.900	-0.042	-0.02970	-0.02920	-0.03140	-0.03220	-0.01340	-0.03080	-0.03130	-0.03190
-3.940	3.958	-0.03720	-0.04190	-0.04420	-0.04530	-0.02180	-0.05000	-0.04000	-0.04780
	GRADIENT	-0.00074	-0.00239	-0.00171	-0.00171	-0.00082	-0.00249	-0.00027	-0.00152

RUN NO. 182/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-6.34	-4.039	-0.3120	-0.02570	-0.03260	-0.03450	-0.02040	-0.03430	-0.04500	-0.03540
-0.63	-0.039	-0.03260	-0.02840	-0.03420	-0.03670	-0.01580	-0.03740	-0.03960	-0.03870
.788	3.958	-0.03730	-0.04360	-0.04780	-0.04890	-0.02350	-0.05190	-0.04610	-0.05050
	GRADIENT	-0.00076	-0.00224	-0.00190	-0.00180	-0.00039	-0.00220	-0.00014	-0.00189

RUN NO. 183/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
4.060	-4.045	-0.05530	-0.04140	-0.06000	-0.05920	-0.03520	-0.05570	-0.06480	-0.06060
4.009	-0.042	-0.03460	-0.03180	-0.03990	-0.04180	-0.02100	-0.04370	-0.04700	-0.03900
4.019	3.954	-0.04710	-0.05160	-0.05770	-0.05790	-0.03190	-0.06040	-0.05620	-0.05980
	GRADIENT	.00103	-0.00127	.00029	.00016	.00041	-0.00059	.00108	.00010

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 184/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-3.963	-3.995	-0.12800	-0.12760	-0.12800	-0.11540	-0.01760	-0.11260	-0.12600	-0.10150
-4.050	.008	-0.12860	-0.13010	-0.13390	-0.11940	-0.01100	-0.11210	-0.12660	-0.10250
-4.038	4.014	-0.12420	-0.12650	-0.13220	-0.11220	-0.01120	-0.10970	-0.12460	-0.10510
	GRADIENT	.00047	.00014	-0.00052	-0.00086	.00080	.00036	.00017	-0.00045

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(DE5062) (22 JAN 76)

(DE5062) (22 JAN 76)

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 185/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-7.13	-3.989	-1.3200	-1.3200	-1.3240	-1.1780	-0.1980	-1.1680	-1.12980	-1.1140
-.091	.011	-1.3010	-1.2970	-1.3430	-1.2590	-0.1830	-1.1410	-1.12860	-1.1090
.581	4.014	-1.3180	-1.3330	-1.3870	-1.3220	-0.1280	-1.1280	-1.2880	-1.1050
	GRADIENT	.00002	-.00016	-.00079	-.00180	.00087	.00050	.00012	.00011

RUN NO. 186/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.887	-3.986	-1.3640	-1.3600	-1.3870	-1.3110	-0.2040	-1.1700	-1.13110	-1.12390
3.825	.011	-1.3130	-1.3160	-1.3510	-1.2630	-0.1800	-1.1610	-1.12870	-1.11450
4.062	4.011	-1.3240	-1.3390	-1.3850	-1.3160	-0.1270	-1.1380	-1.2790	-1.1450
	GRADIENT	.00050	.00026	.00002	-.00006	.00096	.00040	.00040	.00118

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(DE5063) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 187/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.053	-3.989	-0.1920	-0.1580	-0.1920	-0.2040	.03490	-0.0700	-0.1730	-0.2030
-4.200	.011	.01310	.01190	.00930	.00700	.05300	.01230	.00770	.00920
-4.135	4.011	-.00460	-.00760	-.01300	-.01220	.04270	-.00910	-.00560	-.01330
	GRADIENT	.00182	.00102	.00077	.00102	.00097	-.00026	.00146	.00087

RUN NO. 188/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-7.709	-3.995	-0.2270	-0.1960	-0.2380	-0.2460	.03060	-0.01510	-0.2690	-0.2350
-.041	.008	.00450	.00330	-.00010	-.00240	.04710	.00400	-0.0130	.00170
.525	4.008	.00000	-.00530	-.00840	-.01180	.04270	-.00870	-0.1020	-0.1250
	GRADIENT	.00284	.00179	.00192	.00160	.00151	.00080	.00209	.00138

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(DE5063) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.000 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 189/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.909	-3.992	-.02610	-.02230	-.03150	-.02990	.02660	-.02070	-.03520	-.03440
3.993	.011	.00900	.00670	.00370	-.00210	.04900	.00400	-.00130	.01010
3.859	4.017	-.00730	-.01380	-.01450	-.01760	.03960	-.01680	-.01450	-.01260
	GRADIENT	.00235	.00106	.00212	.00154	.00162	.00049	.00258	.00272

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(DE5064) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 190/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.213	-4.080	-.10740	-.10910	-.11030	-.10100	.07840	-.07420	-.09810	-.07650
-4.384	-.086	-.10620	-.10680	-.11030	-.09980	.08170	-.07100	-.09660	-.07270
-4.360	3.914	-.10500	-.10800	-.10800	-.10150	.08100	-.07160	-.09490	-.08320
	GRADIENT	.00030	.00014	.00029	-.00006	.00033	.00033	.00040	-.00084

RUN NO. 191/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-1.016	-4.083	-.10740	-.10800	-.11150	-.10390	.07890	-.07450	-.09840	-.08790
-.294	-.086	-.10830	-.10830	-.11230	-.10650	.07990	-.07220	-.09660	-.08030
.359	3.914	-.10800	-.10970	-.11090	-.10680	.08100	-.07280	-.09720	-.08790
	GRADIENT	-.00008	-.00021	.00008	-.00036	.00026	.00021	.00015	-.00000

RUN NO. 192/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.775	-4.092	-.10800	-.10920	-.11090	-.09920	.07870	-.07280	-.09900	-.09670
3.675	-.086	-.10570	-.10680	-.10920	-.10450	.08090	-.07280	-.09610	-.08560
3.665	3.920	-.10710	-.10940	-.11120	-.10590	.08170	-.07270	-.09600	-.08850
	GRADIENT	.00011	-.00002	-.00004	-.00084	.00037	.00001	.00037	.00102

(DE5065) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 193/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.288	-4.086	.01460	.01280	.00820	.01050	.12350	.02820	.01200	.01200
-4.228	-.083	.02470	.02470	.02010	.01600	.13070	.03260	.02330	.02270
-4.303	3.917	.00200	.00020	-.00440	-.00730	.12240	.01270	.00630	-.01050
	GRADIENT	-.00157	-.00157	-.00157	-.00222	-.00014	-.00194	-.00071	-.00281

RUN NO. 194/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.950	-4.089	.01360	.01180	.00780	.00830	.12680	.02920	.01420	.01360
-.194	-.089	.03970	.03040	.02400	.02050	.13280	.03420	.02370	.04230
.325	3.917	.01610	.01260	.01090	.00910	.12750	.02540	.02020	.01960
	GRADIENT	.00031	.00010	.00039	.00010	.00009	-.00048	.00075	.00075

RUN NO. 195/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.690	-4.098	.01550	.01490	.00860	.00800	.12710	.02800	.00940	.01460
3.716	-.089	.03300	.02900	.02310	.02020	.13400	.03700	.02310	.03590
3.697	3.924	.02470	.02010	.01720	.01540	.13260	.02980	.02230	.02520
	GRADIENT	.00115	.00065	.00107	.00092	.00069	.00022	.00161	.00132

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 196/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.066	-.042	.005240	-.05460	-.05850	-.05600	-.03200	-.05770	-.06180	-.05240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

(DE5066) (22 JAN 76)

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = .000 ELV-OB = .000

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ARC87-044 IAB2 OTS SRB-NOM MPS-NOM (NO.1 OFF) (DE5066) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 197/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.740	-4.042	-0.4570	-0.05540	-0.06060	-0.05900	-0.03850	-0.06300	-0.06830	-0.05940
-.081	-.042	-0.05530	-0.06390	-0.06580	-0.06250	-0.03920	-0.06620	-0.06840	-0.06180
.569	3.954	-0.06400	-0.06400	-0.07170	-0.07230	-0.04150	-0.07680	-0.07520	-0.07270
	GRADIENT	-0.00229	-0.00108	-0.00139	-0.00165	-0.00041	-0.00173	-0.00086	-0.00166

RUN NO. 198/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
4.053	-.042	-0.05720	-0.06380	-0.06330	-0.06550	-0.03900	-0.07000	-0.07360	-0.05920
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 IAB2 OTS SRB-NOM MPS-NOM (NO.1 OFF) (DE5067) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 199/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.088	.011	-0.01000	-0.01770	-0.02040	-0.01960	.03510	-0.01670	-0.02090	-0.01100
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 200/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.691	-3.986	-0.04200	-0.04500	-0.04850	-0.04650	.02090	-0.03970	-0.04810	-0.04660
.015	.008	-0.02380	-0.02690	-0.02730	-0.02960	.02910	-0.02730	-0.03380	-0.02920
.503	4.011	-0.02780	-0.02900	-0.03280	-0.03620	.02660	-0.03480	-0.03860	-0.02680
	GRADIENT	.00177	.00200	.00196	.00129	.00071	.00061	.00119	.00248

RUN NO. 201/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.978	.014	-0.02630	-0.03160	-0.02630	-0.03470	.02730	-0.03090	-0.03890	-0.01990
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

(DE5068) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 202/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.287	-0.083	-0.0020	-0.0080	-0.00320	-0.00780	.11810	.00770	-0.00680	-0.00220
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 203/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.083	-0.086	-0.01770	-0.01940	-0.02060	-0.01940	.11150	-0.00130	-0.01870	-0.01930
.290	3.917	-0.00960	-0.01130	-0.01310	-0.01770	.11370	-0.00250	-0.01700	-0.00950
	GRADIENT	.00054	-0.01450	-0.01690	-0.01920	.11510	-0.00160	-0.01610	-0.02080
			.00061	.00046	.00002	.00045	-0.00004	.00032	-0.00019

RUN NO. 204/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.803	-0.089	.00330	-0.00480	-0.00770	-0.01300	.11710	-0.00270	-0.01780	.00430
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

(DE5069) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 205/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.116	-0.046	.00220	-0.00760	-0.00870	.00080	.00110	-0.00410	-0.01300	-0.00300
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 206/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-0.693	-4.042	-0.01920	-0.01750	-0.01750	-0.00200	-0.01430	-0.01070	-0.03340	-0.03010
-.031	-.039	-0.01650	-0.01850	-0.01350	-0.00460	-0.00720	-0.01880	-0.02520	-0.01880
.566	3.954	-0.03390	-0.03720	-0.03250	-0.02610	-0.01760	-0.03440	-0.03610	-0.03060
	GRADIENT	-0.00184	-0.00246	-0.00187	-0.00301	-0.00041	-0.00296	-0.00034	-0.00006

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

(DE5069) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 207/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.091
 BETA -.042
 GRADIENT .00000

CP112 CP113 CP114 CP121 CP122 CP123 CP124 CP131
 -.02060 -.02310 -.01390 -.00140 -.01050 -.00690 -.02840 -.02180
 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000

MACH = 2.600 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

(DE5070) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 208/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.097
 BETA .011
 GRADIENT .00000

CP112 CP113 CP114 CP121 CP122 CP123 CP124 CP131
 .01930 .01360 .01050 .01470 .05620 .02150 .01240 .01810
 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 209/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.834
 BETA -3.986
 .011
 4.008
 GRADIENT .00205

CP112 CP113 CP114 CP121 CP122 CP123 CP124 CP131
 .00420 .00420 .00080 .00610 .04670 .00940 .00510 .00200
 .01450 .01370 .01370 .01980 .05210 .02580 .00900 .01280
 .02060 .02170 .02250 .02750 .06140 .02750 .01760 .02860
 .00205 .00219 .00291 .00268 .00184 .00226 .00284 .00383

RUN NO. 210/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.937
 BETA .014
 GRADIENT .00000

CP112 CP113 CP114 CP121 CP122 CP123 CP124 CP131
 .02770 .02160 .01820 .02770 .05980 .03620 .01680 .02820
 .00000 .00000 .00000 .00000 .00000 .00000 .00000 .00000

MACH = 2.600 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

(DE5071) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

MACH = 3.500 PT = 15.100
ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 211/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.225	-.083	.03520	.02170	.01470	.01360	.13310	.03120	.01950	.02830
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 212/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.957	-4.083	.01740	.01970	.01100	.00860	.12710	.02280	.00940	.01350
-.291	-.086	.05820	.04010	.02900	.03430	.13910	.05000	.03490	.05820
.231	3.914	.03170	.02230	.01820	.02000	.13450	.03430	.02390	.03780
	GRADIENT	.00179	.00032	.00090	.00142	.00093	.00144	.00181	.00304

RUN NO. 213/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.719	-.086	.04330	.04160	.03170	.02760	.13950	.04340	.02710	.03410
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OT MPS-NOM (NO.2 OFF)

(DE5072) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

MACH = 3.500 PT = 15.100
ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 214/ 0 RN/L = 1.72 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.334	-.086	-.07400	-.07340	-.07800	-.07570	.08820	-.04400	-.05160	-.05330
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 215/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.857	-4.086	-.07690	-.07810	-.07810	-.07810	.08520	-.05050	-.06210	-.07840
-.194	-.086	-.07230	-.07230	-.07570	-.07400	.08820	-.04380	-.05540	-.05840
.465	3.914	-.07560	-.07390	-.07680	-.07740	.08710	-.04590	-.05580	-.06580
	GRADIENT	.00016	.00053	.00016	.00009	.00024	.00058	.00079	.00158

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ARC87-044 1A82 OT MPS-NOM (NO.2 OFF)

(DE5072) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 216/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.840	3.917	-0.07720	-0.07660	-0.07890	-0.07890	.08580	-0.04690	-0.05680	-0.06560
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

ARC87-044 1A82 OT MPS-NOM (NO.1 OFF)

(DE5073) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 217/ 0 RN/L = 1.73 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.272	-0.086	-0.07350	-0.07350	-0.07590	-0.07470	.08690	-0.04170	-0.06150	-0.07540
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 218/ 0 RN/L = 1.71 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-907	-4.089	-0.07390	-0.07330	-0.07510	-0.07570	.08840	-0.04350	-0.06090	-0.08070
-216	-0.083	-0.07590	-0.07590	-0.07770	-0.07770	.08400	-0.04610	-0.05590	-0.07870
.247	3.914	-0.07500	-0.07500	-0.07560	-0.07500	.08670	-0.04230	-0.06380	-0.07310
	GRADIENT	-0.00014	-0.00021	-0.00006	.00009	-0.00021	.00015	-0.00036	.00095

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 219/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.944	-0.083	-0.07650	-0.07590	-0.07710	-0.07770	.08510	-0.04810	-0.06730	-0.07830
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

ARC87-044 1A82 OT MPS-OFF

(DE5074) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 220/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.344	-4.086	-1.1120	-1.1120	-1.1180	-1.1090	.07680	-0.7450	-0.9770	-0.8610
		-1.0480	-1.0480	-1.0890	-1.0190	.07630	-0.7330	-0.9830	-0.8090
		.00000	.00000	-1.0620	-1.0270	.08310	-0.6810	-0.9310	-0.8380
				.00070	-0.0010	.00079	.00080	.00057	.00029

RUN NO. 221/ 0 RN/L = 1.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.919	-4.086	-1.1120	-1.1120	-1.1180	-1.1090	.07680	-0.7450	-0.9770	-0.8610
-0.44	-0.86	-1.0770	-1.0770	-1.0890	-1.0190	.07630	-0.7330	-0.9830	-0.8090
		-1.0570	-1.0680	-1.0620	-1.0270	.08310	-0.6810	-0.9310	-0.8380
		.00069	.00055	.00070	-0.0010	.00079	.00080	.00057	.00029

RUN NO. 222/ 0 RN/L = 1.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.800	-0.83	-1.1050	-1.0770	-1.0770	-1.0420	.08020	-0.7100	-0.9540	-0.8210
		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OT MPS-NOM

(DE5075) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 223/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.090	-4.086	-1.0430	-1.0430	-1.0510	-1.0510	.10010	-0.2020	-0.3880	-0.5270
		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 224/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-0.800	-4.086	-1.0420	-1.0470	-1.0500	-1.0510	.09780	-0.2080	-0.4460	-0.5910
-1.106	-0.86	-1.0450	-1.0400	-1.0530	-1.0570	.09810	-0.2400	-0.4020	-0.5480
		-1.0450	-1.0460	-1.0550	-1.0620	.09940	-0.3150	-0.4190	-0.5360
		.00011	.00076	.00055	-0.00128	.00020	-0.00134	.00034	.00069

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ARC87-044 1A82 OT MPS-NOM

(DE5075) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH =
 ELV-1B =

3.500 PT = 15.100
 .000 ELV-08 = .000

RUN NO. 225/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.825

BETA
 GRADIENT

CP112 -04540
 CP113 -04540
 CP114 -05530

CP121 -05820
 CP122 -09700
 CP123 -02390

CP124 -04490
 CP131 -05180

.00000
 .00000
 .00000

ARC87-044 1A82 OT MPS-NOM

(DE5076) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH =
 ELV-1B =

3.500 PT = 15.100
 .000 ELV-08 = .000

RUN NO. 226/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.259

BETA
 GRADIENT

CP112 -06020
 CP113 -06080
 CP114 -06660

CP121 -06490
 CP122 -09440
 CP123 -03350

CP124 -05450
 CP131 -06840

.00000
 .00000
 .00000

RUN NO. 227/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -1.860

BETA
 GRADIENT

CP112 -05400
 CP113 -06100
 CP114 -06750

CP121 -06860
 CP122 -09280
 CP123 -03400

CP124 -05620
 CP131 -07650

.00000
 .00000
 .00000

RUN NO. 228/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.897

BETA
 GRADIENT

CP112 -06480
 CP113 -06360
 CP114 -07060

CP121 -07240
 CP122 -08850
 CP123 -04440

CP124 -06310
 CP131 -07010

.00000
 .00000
 .00000

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ARC87-044 1A82 OT MPS-NOM+

(DE5077) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 229/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.175	-0.083	-0.0690	-0.01040	-0.02560	-0.03200	.10900	.00020	-0.00790	-0.02710
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 230/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-8.10	-4.089	-0.01570	-0.01510	-0.03080	-0.03490	.10340	-0.00070	-0.03040	-0.03620
-.194	-.086	-0.01320	-0.01490	-0.03120	-0.03880	.10640	-0.00400	-0.01730	-0.03130
.581	3.914	-0.00920	-0.01320	-0.03130	-0.04230	.10940	-0.01480	-0.01540	-0.03050
	GRADIENT	.00081	.00024	-0.00006	-0.00092	.00075	-0.00175	.00187	.00071

RUN NO. 231/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.791	-0.089	-0.01400	-0.01570	-0.03320	-0.04080	.10840	-0.00630	-0.02370	-0.03070
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OT MPS-NOM++

(DE5078) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 232/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.237	-0.089	-0.03760	-0.03890	-0.06140	-0.06930	.19930	-0.01300	-0.03680	-0.05790
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 233/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-6.678	-4.083	-0.04680	-0.04420	-0.06400	-0.06930	.18980	-0.01080	-0.05960	-0.06880
-.159	-.083	-0.04250	-0.04520	-0.06630	-0.07690	.19290	-0.01930	-0.04830	-0.06280
.462	3.911	-0.04010	-0.04570	-0.06660	-0.08110	.20080	-0.02370	-0.04210	-0.06190
	GRADIENT	.00084	-0.00031	-0.00033	-0.00148	.00138	-0.00161	.00219	.00086

(DE5080) (22 JAN 76)

ARC87-044 1A82 OT MPS-NOM****

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 238/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-4.016	-0.083	.07490	.05640	.00620	-.01620	.22570	.02930	.01220	.00430
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 239/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
-.963	-4.086	.05020	.04970	-.00290	-.01730	.21860	.04290	-.01080	-.01080
-.197	-.089	.06340	.04630	-.01030	-.03400	.21750	.02700	.00210	-.00980
.387	3.914	.06440	.04720	-.00980	-.04150	.21790	.00120	-.00010	-.01600
	GRADIENT	.00052	-.00031	-.00086	-.00302	-.00009	-.00521	.00134	-.00065

RUN NO. 240/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP112	CP113	CP114	CP121	CP122	CP123	CP124	CP131
3.769	-.086	.06040	.04730	-.01190	-.03420	.21170	.02540	-.01130	-.01530
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(EE5001) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 14.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 1/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-3.916	-3.992	-.11900	-.11630	-.10850	-.11790	-.11980
-3.963	-1.996	-.12230	-.11260	-.11220	-.11810	-.11960
-3.972	.008	-.12370	-.10770	-.11900	-.11820	-.11820
-3.891	2.011	-.11860	-.10620	-.12250	-.12020	-.12020
-3.941	4.011	-.10890	-.10430	-.12100	-.11900	-.11860
	GRADIENT	.00119	.00152	-.00176	-.00021	.00009

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(EE5001) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.000 PT = 14.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 2/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-.066	-3.995	-.12150	-.10130	-.10290	-.11960	-.12270
-.038	-1.992	-.12050	-.10890	-.10890	-.12010	-.12290
-.060	.008	-.11800	-.10130	-.11100	-.11960	-.12190
-.072	2.005	-.11080	-.09530	-.11240	-.12020	-.12130
-.069	4.011	-.10750	-.09860	-.11530	-.12040	-.12190
	GRADIENT	.00188	.00095	-.00141	-.00008	.00016

RUN NO. 3/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
4.019	-4.005	-.11980	-.10300	-.09640	-.12210	-.12710
4.034	-1.986	-.11880	-.10320	-.10360	-.12230	-.12580
3.987	.011	-.11510	-.09800	-.10570	-.12130	-.12480
3.987	2.014	-.10960	-.09720	-.11200	-.12320	-.12520
3.984	4.011	-.10010	-.09120	-.11100	-.12310	-.12580
	GRADIENT	.00242	.00148	-.00188	-.00014	.00016

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 4/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.671	-4.039	-.16540	-.13900	-.13930	-.14880	-.15110
-3.781	-2.039	-.16830	-.13710	-.14470	-.14700	-.14780
-3.784	-.042	-.16510	-.13480	-.15420	-.14720	-.14660
-3.697	1.945	-.15690	-.13220	-.16590	-.15020	-.14740
-3.587	3.958	.00000	.00000	.00000	.00000	.00000
	GRADIENT	.01715	.01418	.01291	.01476	.01517

(EE5002) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(EE5002) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-OB = .000

RUN NO. 5/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
.144	-4.045	-16510	-13420	-13190	-15240	-15550
.209	-2.046	-16710	-14060	-13560	-15070	-15360
.156	-.046	-15780	-13400	-13510	-14800	-15000
.150	1.951	-14090	-11900	-15270	-15330	-15330
.044	3.954	-12480	-11860	-15090	-15540	-15620
	GRADIENT	.00534	.00264	-0.0275	-0.0043	-0.0005

RUN NO. 6/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
4.279	-4.042	-16100	-12800	-11520	-15170	-15770
4.231	-2.046	-15920	-12600	-12690	-15050	-15470
4.231	-.042	-15140	-11650	-13140	-15080	-15420
4.231	1.958	-13450	-11370	-14150	-15280	-15470
4.219	3.954	-12240	-11000	-14490	-15610	-15840
	GRADIENT	.00509	.00189	-0.0370	-0.0055	-0.0007

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5003) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-OB = .000

RUN NO. 7/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.684	-4.042	.01380	.02130	.02160	-.03370	-.04290
-3.850	-2.046	.01400	.01700	.00900	-.03100	-.03430
-3.931	-.042	-.00260	-.00510	.00580	-.03150	-.03150
-3.853	1.951	-.00100	.00370	.00560	-.03400	-.04070
-3.843	3.958	.00590	.00450	.00620	-.03680	-.04480
	GRADIENT	-.00154	-.00235	-.00171	-.00046	-.00051

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5003) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 8/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-4.052	.02520	.03110	.01690	-.02980	-.04340
-2.049	.02650	.03290	.02790	-.02930	-.03650
-.042	.00750	.00910	.00530	-.03110	-.03420
1.961	-.00990	.00040	.00090	-.03680	-.04040
3.961	-.00680	.01400	.01490	-.03870	-.05120
GRADIENT	-.00501	-.00333	-.00155	-.00126	-.00097

RUN NO. 9/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-4.039	.03630	.04110	.03250	-.04280	-.04500
-2.049	.03730	.03810	.03370	-.02540	-.02100
-.046	.00660	.00910	-.00060	-.03530	-.03730
1.958	-.00320	.01100	.01120	-.02930	-.04180
3.954	.01080	.01860	.01160	-.03720	-.04390
GRADIENT	-.00458	-.00361	-.00322	.00036	-.00093

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(EE5004) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 10/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-.039	-.00820	-.00270	-.01240	-.04250	-.04470
GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 11/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-4.042	-.00900	-.00530	-.00560	-.05990	-.06300
-.039	-.02430	-.02160	-.02430	-.05500	-.05050
3.961	-.02560	-.01660	-.01530	-.06120	-.06730
GRADIENT	-.00207	-.00141	-.00121	-.00016	-.00054

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ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(EE5004) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 12/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.178 BETA -.033 CP141 CP142 CP143 CP144 CP145
GRADIENT .00000 -.01690 -.02270 -.05860 -.05500
.00000 .00000 .00000 .00000 .00000

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
ELV-1B = .000 ELV-0B = .000

ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(EE5005) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 13/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.853 BETA -.039 CP141 CP142 CP143 CP144 CP145
GRADIENT .00000 -.04630 .05040 .04350 -.01350
.00000 .00000 .00000 .00000 .00000

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
ELV-1B = .000 ELV-0B = .000

RUN NO. 14/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .029 BETA -4.049 CP141 CP142 CP143 CP144 CP145
.091 -.046 .06420 .07710 .07770 .01330 -.01380
.069 .05850 .06320 .05360 .03140 .00560
.04250 .05700 .04580 -.01250 -.01010
GRADIENT -.00271 -.00251 -.00398 -.00322 .00046

RUN NO. 15/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.972 BETA -.039 CP141 CP142 CP143 CP144 CP145
GRADIENT .00000 .06250 .06770 .06360 .04310 .03270
.00000 .00000 .00000 .00000 .00000

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
ELV-1B = .000 ELV-0B = .000

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

(EE5006) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

RUN NO. 16/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.947
 BETA
 GRADIENT
 CPI41 .02490
 CPI42 .03160
 CPI43 .02800
 CPI44 -.02140
 CPI45 -.03090
 .00000
 .00000

RUN NO. 17/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .029
 .100
 .122
 BETA
 GRADIENT
 CPI41 .02230
 CPI42 .02780
 CPI43 .01810
 CPI44 -.03220
 CPI45 -.04240
 .00760
 .00680
 .00090
 .00090
 .01290
 .04380
 -.06080
 -.00145
 -.00230

RUN NO. 18/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.156
 BETA
 GRADIENT
 CPI41 -.02070
 CPI42 -.00120
 CPI43 -.00600
 CPI44 -.04730
 CPI45 -.05290
 .00000
 .00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(EE5007) (22 JAN 76)

RUN NO. 19/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.866
 BETA
 GRADIENT
 CPI41 .00100
 CPI42 -.00200
 CPI43 .00850
 CPI44 -.02010
 CPI45 -.02250
 .00000
 .00000

RUN NO. 20/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .016
 .125
 -.034
 BETA
 GRADIENT
 CPI41 .01230
 CPI42 .01980
 CPI43 .01620
 CPI44 -.03730
 CPI45 -.04260
 .01070
 .00850
 .00850
 .01210
 .01380
 -.03310
 -.04190
 .00053
 .00009

(EE5007) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 21/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
4.087	-.042	.01240	.01410	.00880	-.02470	-.02810
	GRADIENT	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 14.700
ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM (EE5008) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 22/ 0 RN/L = 1.22 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.869	-.042	.11760	.13920	.14110	.10900	.10530
	GRADIENT	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 6.700
ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 23/ 0 RN/L = 1.23 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
.138	-4.039	.07060	.07430	.09850	.04710	.04150
.169	-.039	.10200	.11630	.11140	.09520	.08830
.072	3.958	.11170	.10920	.10360	.08440	.06750
	GRADIENT	.00514	.00437	.00064	.00216	.00325

RUN NO. 24/ 0 RN/L = 1.23 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
4.159	-.046	.09720	.11710	.10530	.07240	.04940
	GRADIENT	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 6.700
ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

DATE 04 FEB 76

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ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

(EE5009) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 25/ 0 RN/L = .99 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.935
 BETA .008
 GRADIENT .00000
 CPI41 .08880
 CPI42 .10440
 CPI43 .09920
 CPI44 .08970
 CPI45 .09400
 .00000 .00000

RUN NO. 26/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .065
 .200
 .012
 BETA .08530
 .06290
 4.008 .10330
 GRADIENT .00225
 .00099
 .00668
 CPI41 .08530
 CPI42 .10600
 CPI43 .14470
 CPI44 .07920
 CPI45 .08100
 .06980 .05950
 .08440 .07930
 .00065 -.00021

RUN NO. 27/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.134
 BETA .014
 GRADIENT .00000
 CPI41 .08930
 CPI42 .11080
 CPI43 .10220
 CPI44 .06430
 CPI45 .05130
 .00000 .00000

ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

(EE5010) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 28/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.978
 BETA .014
 GRADIENT .00000
 CPI41 -.07730
 CPI42 -.08250
 CPI43 -.07640
 CPI44 -.05500
 CPI45 -.05160
 .00000 .00000

RUN NO. 29/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .006
 .100
 .015
 BETA -3.992
 .014
 4.011 .00200
 GRADIENT .00200
 .00004
 .00082
 CPI41 -.08770
 CPI42 -.09110
 CPI43 -.08600
 CPI44 -.06370
 CPI45 -.06370
 -.07320 -.07580
 -.07170 -.07510
 -.06630 -.06530
 -.00035 -.00035

ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

(EE5010) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 30/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.053 BETA .008
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

CPI41 CPI42 CPI43 CPI44 CPI45
 -.06380 -.06460 -.06640 -.06380 -.06040

MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

(EE5011) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 31/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.978 BETA .008
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

CPI41 CPI42 CPI43 CPI44 CPI45
 -.09450 -.09280 -.09280 -.07650 -.06960

MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 32/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.050 BETA -3.995
 .084 .008
 -.091 4.017
 GRADIENT .00163 .00087 .00116 .00008 .00067

CPI41 CPI42 CPI43 CPI44 CPI45
 -.09920 -.09660 -.09320 -.08120 -.08030
 -.09050 -.08790 -.08880 -.07930 -.07760
 -.08610 -.08960 -.10250 -.08180 -.07490

RUN NO. 33/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.150 BETA .014
 GRADIENT .00000 .00000 .00000 .00000 .00000 .00000

CPI41 CPI42 CPI43 CPI44 CPI45
 -.08810 -.08290 -.08640 -.08120 -.07950

MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(EE5012) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 10.700
 ELV-1B = .000 ELV-08 = .000

RUN NO. 34/ 0 RN/L = 1.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.928	.014	.05690	.06280	.05850	.02740	.00430
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 35/ 0 RN/L = 1.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
.075	-3.989	.06240	.07270	.09420	.04520	.02370
.075	.014	.04560	.04990	.05200	.02720	.03530
.034	4.014	.09720	.09460	.09510	.04570	.05320
	GRADIENT	.00435	.00274	.00011	.00005	.00369

RUN NO. 36/ 0 RN/L = 1.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
4.118	.008	.06490	.08370	.09230	.04660	.02080
	GRADIENT	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5013) (22 JAN 76)

RUN NO. 37/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.972	-3.989	.02010	.02810	.03650	-.02010	-.02430
-3.931	-1.999	.02660	.02930	.03000	-.01330	-.01410
-4.153	.008	.03720	.04320	.03940	.00790	-.00120
-4.128	2.014	.02630	.02630	.02550	-.00180	.00090
-3.981	4.008	.03040	.03880	.04100	-.00340	-.01940
	GRADIENT	.00101	.00092	.00022	.00224	.00124

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5013) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 38/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
.072	-3.992	.02970	.03810	.06310	-.01930	-.02000
.103	-1.992	.03310	.03880	.03200	-.00900	-.01280
.125	.011	.03320	.03700	.03700	.01350	.00360
.044	2.008	.03100	.03440	.03710	-.00090	.01010
.062	4.008	.02040	.04280	.04660	.00140	-.00170
	GRADIENT	-.00103	.00025	-.00140	.00248	.00298

RUN NO. 39/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
4.090	-3.992	.03730	.04570	.05900	-.00290	-.01050
4.044	-1.986	.04110	.04950	.04790	.01490	-.00410
4.003	.008	.04040	.04920	.04610	.01190	.01040
3.956	2.017	.04770	.04620	.03820	-.00660	.00290
4.122	4.011	.04670	.04520	.04030	-.00650	-.00080
	GRADIENT	.00127	-.00021	-.00235	-.00143	.00132

ARC87-044 1A82 OTS SRB-OFF MPS-NOM

(EE5014) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 40/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-4.141	.011	-.10770	-.09400	-.09740	-.08150	-.07730
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 41/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
.069	-3.989	-.10790	-.09190	-.08470	-.08280	-.08170
.022	.011	-.09230	-.07820	-.08550	-.07710	-.07520
-.063	4.011	-.08340	-.08150	-.10390	-.08070	-.07690
	GRADIENT	.00306	.00130	-.00240	.00026	.00060

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM

(EE5014) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 42/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.959	.014	-.09420	-.08250	-.09040	-.08020	-.07870
	GRADIENT	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-NOM+

(EE5015) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 43/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.860	.014	-.09000	-.08470	-.08850	-.07100	-.06720
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 44/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
.012	-3.992	-.09800	-.08620	-.07710	-.06950	-.06910
.078	.014	-.07400	-.06870	-.07400	-.06570	-.06450
.056	4.017	-.07480	-.07550	-.09720	-.07060	-.06520
	GRADIENT	.00290	.00134	-.00251	-.00014	.00049

RUN NO. 45/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.925	.008	-.07880	-.07010	-.07650	-.06820	-.06630
	GRADIENT	.00000	.00000	.00000	.00000	.00000

(EE5016) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 46/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.063
BETA .008
GRADIENT .00000
CPI41 .00050
CPI42 -.00250
CPI43 .00160
CPI44 -.02080
CPI45 -.02000
MACH = 3.000 PT = 15.100
ELV-1B = .000 ELV-08 = .000

RUN NO. 47/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.125
BETA -3.983
GRADIENT .014
CPI41 .00300
CPI42 .01140
CPI43 .01710
CPI44 -.03110
CPI45 -.03420
MACH = 3.000 PT = 15.100
ELV-1B = .000 ELV-08 = .000

RUN NO. 48/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.906
BETA .008
GRADIENT .00000
CPI41 .00600
CPI42 .01090
CPI43 .00790
CPI44 -.02050
CPI45 -.02140

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 49/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.888
BETA .008
GRADIENT .00000
CPI41 .03440
CPI42 .04050
CPI43 .03480
CPI44 .00300
CPI45 -.01110

RUN NO. 50/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .072
BETA -3.989
GRADIENT .011
CPI41 .04050
CPI42 .04890
CPI43 .05910
CPI44 .00420
CPI45 -.01210
MACH = 3.000 PT = 15.100
ELV-1B = .000 ELV-08 = .000

(EE5017) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
ELV-1B = .000 ELV-08 = .000

DATE 04 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

(EE5017) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 51/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
4.009	.011	.03620	.04830	.04420	.00890	.01160
	GRADIENT	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 52/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.919	.011	.03160	.03460	.03200	.00880	.00730
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 53/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
.075	-3.989	.03060	.03860	.05720	-.01490	-.00880
.087	.011	.03350	.03760	.03760	.01490	.00920
-.047	4.008	.03090	.04720	.04600	.00890	.00430
	GRADIENT	.00004	.00108	-.00140	.00298	.00164

RUN NO. 54/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.922	.014	.04660	.05460	.05190	.02540	.02390
	GRADIENT	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SR8-OFF MPS-OFF

(EE5019) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 55/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-4.294	-4.086	-.09780	-.10130	-.09610	-.10600	-.10660
-4.356	-2.083	-.09700	-.09700	-.09700	-.10280	-.10390
-4.212	-.086	-.09840	-.09380	-.09960	-.10420	-.10480
-4.262	1.917	-.09750	-.09110	-.09750	-.10510	-.10630
-4.141	3.917	-.08950	-.08540	-.09240	-.10170	-.10400
	GRADIENT	.00080	.00188	.00034	.00031	.00014

RUN NO. 56/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-.204	-4.089	-.09640	-.09290	-.09240	-.10570	-.10800
-.206	-2.089	-.09320	-.09320	-.09210	-.10310	-.10480
-.181	-.083	-.09760	-.09060	-.09350	-.10450	-.10800
-.231	1.917	-.09240	-.08720	-.09060	-.10110	-.10400
-.197	3.914	-.09470	-.09060	-.09410	-.10450	-.10800
	GRADIENT	.00021	.00053	.00009	.00022	.00004

RUN NO. 57/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.715	-4.083	-.09640	-.09060	-.09060	-.10690	-.10920
3.662	-2.086	-.09410	-.09000	-.09000	-.10340	-.10690
3.716	-.086	-.09550	-.08570	-.09030	-.10600	-.11010
3.681	1.911	-.09440	-.08560	-.09200	-.10540	-.11010
3.765	3.914	-.08570	-.08100	-.08860	-.10480	-.10890
	GRADIENT	.00106	.00118	.00010	.00011	-.00013

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EES020) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

RUN NO.	58/ 0	RN/L = 1.65	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	BETA	CPI41	CPI42
-4.213	-4.086	.05950	.06410
-4.150	-2.089	.05090	.05370
-4.287	-0.086	.04690	.05090
-4.172	1.917	.04960	.05060
-4.272	3.914	.05170	.06090
	GRADIENT	-.00084	.00003
			CPI43
			.06820
			.05600
			.04460
			.05590
			.01490
			.00630
			.01880
			.01530
			-.00156
			-.00019

RUN NO.	59/ 0	RN/L = 1.65	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	BETA	CPI41	CPI42
-1.147	-4.086	.05730	.06080
-1.188	-2.089	.05550	.06130
-0.31	-0.089	.04320	.04440
-1.122	1.914	.06230	.06460
-1.278	3.911	.06610	.06190
	GRADIENT	.00022	.00028
			CPI43
			.06540
			.06650
			.04960
			.06690
			.06650
			.02670
			.03130
			-.00094
			.00169

RUN NO.	60/ 0	RN/L = 1.65	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	BETA	CPI41	CPI42
3.887	-4.089	.07460	.07980
3.881	-2.092	.08350	.08520
3.794	-0.080	.07660	.08520
3.966	1.914	.07180	.08220
3.856	3.920	.06880	.08200
	GRADIENT	-.00116	.00007
			CPI43
			.08210
			.08350
			.08930
			.08790
			.04410
			.04450
			-.00019
			-.00114

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM+

(EE5021) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

RUN NO. 61/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.991
 BETA -.083
 GRADIENT .00000
 CPI41 -.06530
 CPI42 -.06470
 CPI43 -.06350
 CPI44 -.04620
 CPI45 -.04090

RUN NO. 62/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.194
 BETA -4.080
 GRADIENT 3.914
 CPI41 -.06470
 CPI42 -.06470
 CPI43 -.06060
 CPI44 -.04850
 CPI45 -.04910

RUN NO. 63/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.875
 BETA -.086
 GRADIENT .00000
 CPI41 -.04710
 CPI42 -.04760
 CPI43 -.04940
 CPI44 -.04710
 CPI45 -.04590

ARC87-044 1A82 OTS SRB-OFF MPS-NOM

(EE5022) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

RUN NO. 64/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.212
 BETA -.086
 GRADIENT .00000
 CPI41 -.07710
 CPI42 -.07250
 CPI43 -.07360
 CPI44 -.05680
 CPI45 -.05220

RUN NO. 65/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.100
 BETA -4.089
 GRADIENT 3.917
 CPI41 -.07580
 CPI42 -.07330
 CPI43 -.06870
 CPI44 -.06120
 CPI45 -.06120

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM

(EE5022) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

YMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 66/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.785
 BETA
 GRADIENT - .086
 CPI41 - .06130
 CPI42 - .05720
 CPI43 - .06010
 CPI44 - .05550
 CPI45 - .05380
 .00000 .00000 .00000 .00000 .00000

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(EE5023) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

YMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 67/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.200
 BETA
 GRADIENT - .086
 CPI41 .00210
 CPI42 .00380
 CPI43 .00260
 CPI44 - .01180
 CPI45 - .01300
 .00000 .00000 .00000 .00000 .00000

RUN NO. 68/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA - .266
 - .022
 - .247
 BETA -4.083
 .01110
 .01470
 .01700
 .01850
 .01330
 .00028
 GRADIENT 3.914
 .00013 .00014 .00120 .00150 .00121
 CPI41 .01750
 CPI42 .01700
 CPI43 .02030
 CPI44 - .01320
 CPI45 - .01550
 .00190 .00100 .00120 .000580 .00121

RUN NO. 69/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.728
 BETA
 GRADIENT - .086
 CPI41 .02440
 CPI42 .03190
 CPI43 .03070
 CPI44 .00180
 CPI45 - .00570
 .00000 .00000 .00000 .00000 .00000

(EE5024) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO.	70/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	BETA	CP141	CP142
-4.087	-.086	.05940	.07040
	GRADIENT	.00000	.00000
			CP144
			.03520
			.00000
			CP145
			.02370
			.00000

RUN NO.	71/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	BETA	CP141	CP142
-.075	-4.083	.06070	.07050
-.178	-.089	.04430	.05000
-.197	3.911	.07840	.07440
	GRADIENT	.00222	.00085
			-.00189
			.00078
			.00070

RUN NO.	72/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	BETA	CP141	CP142
3.747	-.083	.06340	.07900
	GRADIENT	.00000	.00000
			CP144
			.04030
			.00000
			CP145
			.02530
			.00000

(EE5025) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO.	73/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	BETA	CP141	CP142
-4.134	-.083	.03920	.04330
	GRADIENT	.00000	.00000
			CP144
			.02130
			.00000
			CP145
			.02300
			.00000

RUN NO.	74/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
ALPHA	BETA	CP141	CP142
-.104	-4.086	.04740	.04790
-.153	-.086	.04000	.04170
-.206	3.917	.04380	.05250
	GRADIENT	-.00045	.00058
			.00101
			-.00008
			CP144
			.02480
			.02560
			.02420
			.00079

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(EE5025) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

RUN NO. 75/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.825
 BETA
 GRADIENT .0000
 CPI41 .04170
 CPI42 .04690
 CPI43 .05030
 CPI44 .02320
 CPI45 .01800

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SO.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

RUN NO. 76/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.156
 BETA
 GRADIENT .0000
 CPI41 .05370
 CPI42 .05530
 CPI43 .05450
 CPI44 .01600
 CPI45 .00780

MACH = 3.500 PT = 10.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 77/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.182
 -.006
 -.163
 BETA
 GRADIENT .0000
 CPI41 .07090
 CPI42 .07010
 CPI43 .06760
 CPI44 .04880
 CPI45 .03890

.05330
 .05250
 .07220
 .03950
 .04280
 .00049

RUN NO. 78/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.806
 BETA
 GRADIENT .0000
 CPI41 .08140
 CPI42 .08390
 CPI43 .09040
 CPI44 .04700
 CPI45 .03960

.00000
 .00000
 .00000
 .00000
 .00000

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

(EE5027) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 79/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.209 BETA -.083
 GRADIENT .00000

RUN NO. 80/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.154 BETA -4.089
 -.240 -.086
 -.256 3.917
 GRADIENT .00261

RUN NO. 81/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.694 BETA -.083
 GRADIENT .00000

ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

(EE5028) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 82/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.159 BETA -.083
 GRADIENT .00000

RUN NO. 83/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.147 BETA -4.083
 -.181 -.089
 -.300 3.917
 GRADIENT .00236

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM+++

(EE5028) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 84/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.731
 BETA
 - .083
 GRADIENT .00000
 CPI41
 - .07450
 CPI42
 - .08110
 CPI43
 - .07850
 CPI44
 - .07060
 CPI45
 - .06660
 .00000

ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

(EE5029) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 85/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.184
 BETA
 - .083
 GRADIENT .00000
 CPI41
 .06800
 CPI42
 .07200
 CPI43
 .07720
 CPI44
 .05350
 CPI45
 .04160
 .00000

RUN NO. 86/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA - .060
 - .009
 - .160
 BETA
 -4.089
 - .083
 3.917
 GRADIENT .00073
 CPI41
 .05500
 CPI42
 .06950
 CPI43
 .06810
 CPI44
 .04710
 CPI45
 .03400
 .03040
 .03560
 .04100
 .03580
 -.00141
 -.00141

RUN NO. 87/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.850
 BETA
 - .083
 GRADIENT .00000
 CPI41
 .10390
 CPI42
 .11050
 CPI43
 .11310
 CPI44
 .04500
 CPI45
 .02800
 .00000

(EE5030) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 2.600 PT = 15.100
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT ELV-1B = 4.000 ELV-08 = .000
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

RUN NO. 88/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.963
 BETA
 GRADIENT -0.039
 CPI41 -16530
 CPI42 -13470
 CPI43 -15350
 CPI44 -15320
 CPI45 -15380
 .00000 .00000 .00000 .00000 .00000

RUN NO. 89/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .057
 BETA
 GRADIENT 3.961
 CPI41 -16420
 CPI42 -13470
 CPI43 -12850
 CPI44 -15430
 CPI45 -15880
 .137 -15500
 .244 -13370
 -12320 -11780 -15070 -15800 -15850
 .00512 .00211 -0.00277 -0.00046 .00004

RUN NO. 90/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.103
 BETA
 GRADIENT -0.042
 CPI41 -15310
 CPI42 -11660
 CPI43 -13120
 CPI44 -15610
 CPI45 -16060
 .00000 .00000 .00000 .00000 .00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5031) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 2.600 PT = 15.100
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT ELV-1B = 4.000 ELV-08 = .000
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

RUN NO. 91/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.850
 BETA
 GRADIENT -0.042
 CPI41 -00700
 CPI42 -00980
 CPI43 .00100
 CPI44 -03150
 CPI45 -03210
 .00000 .00000 .00000 .00000 .00000

RUN NO. 92/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -0.012
 BETA
 GRADIENT 3.958
 CPI41 .02720
 CPI42 .03190
 CPI43 .01670
 CPI44 -03250
 CPI45 -04410
 .122 -00900
 .013 -00600
 -00415 -00230 -00029 -00071 -00054

DATE 04 FEB 76

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5031) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

RUN NO. 93/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.097
 BETA
 GRADIENT
 XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(EE5032) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

RUN NO. 94/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.791
 BETA
 GRADIENT
 XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

RUN NO. 95/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .169
 .044
 .006
 BETA
 GRADIENT
 XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

RUN NO. 96/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.062
 BETA
 GRADIENT
 XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.000 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5033) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.000 PT = 15.100
 ELV-18 = 4.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 97/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.007 BETA .014
 GRADIENT .04030
 CP141 .04030
 CP142 .04720
 CP143 .04450
 CP144 .01520
 CP145 .00230
 .00000 .00000 .00000

RUN NO. 98/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.050 BETA -3.989
 .137 .008
 .097 4.011
 GRADIENT -.00088
 CP141 .03250
 CP142 .04080
 CP143 .06290
 CP144 -.01540
 CP145 -.01700
 .03580 .03930 .00650
 .02550 .04680 .00230
 -.00177 .00216 .00241

RUN NO. 99/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.053 BETA .011
 GRADIENT .04360
 CP141 .04360
 CP142 .05200
 CP143 .04780
 CP144 .01470
 CP145 .01730
 .00000 .00000 .00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(EE5034) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-18 = 4.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 100/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.109 BETA -.086
 GRADIENT -.10070
 CP141 -.10070
 CP142 -.09440
 CP143 -.10020
 CP144 -.10370
 CP145 -.10480
 .00000 .00000 .00000

RUN NO. 101/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.260 BETA -4.083
 -.103 -.086
 -.247 3.917
 GRADIENT .00040
 CP141 -.09810
 CP142 -.09350
 CP143 -.09410
 CP144 -.10510
 CP145 -.10800
 .00000 .00000 .00000
 -.09700 -.09520
 -.09090 -.09490
 -.10480 -.10710
 .00004 .00011

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(EE5034) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 102/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.850 BETA
 GRADIENT -.086
 CP141 -.09440
 CP142 -.08560
 CP143 -.09200
 CP144 -.10540
 CP145 -.10890
 .00000
 .00000

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5035) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 103/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.056 BETA
 GRADIENT -.086
 CP141 .04250
 CP142 .04490
 CP143 .04020
 CP144 .02160
 CP145 .01580
 .00000
 .00000

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 104/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.063 BETA
 GRADIENT -.089
 CP141 .05190
 CP142 .05300
 CP143 .05940
 CP144 .02980
 CP145 .01530
 .00000
 .00000

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

RUN NO. 105/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.785 BETA
 GRADIENT -.086
 CP141 .07990
 CP142 .08750
 CP143 .09150
 CP144 .03700
 CP145 .02310
 .00000
 .00000

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(EE5036) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 106/ 0 RN/L = 2.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-3.669	-0.042	-0.16500	-0.13420	-0.15260	-0.15230	-0.15290
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 107/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
.141	-4.045	-0.16170	-0.13320	-0.12600	-0.15180	-0.15650
.194	-.039	-0.15290	-0.12880	-0.13260	-0.15100	-0.15400
.057	3.961	-0.12120	-0.11520	-0.14810	-0.15560	-0.15670
	GRADIENT	.00506	.00225	.00276	.00047	.00002

RUN NO. 108/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
4.231	-.039	-0.15300	-0.11610	-0.13040	-0.15570	-0.15960
	GRADIENT	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5037) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 109/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-3.900	-.039	-0.00510	-0.00820	.00390	-0.03130	-0.03210
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 110/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
.050	-4.042	.02830	.03760	.02690	-0.03160	-0.04540
-.050	-.042	.00890	.01110	.00700	-0.03230	-0.03230
.100	3.958	-0.00590	.01390	.01420	-0.03840	-0.04860
	GRADIENT	-.00427	-.00296	-.00159	-.00085	-.00040

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5037) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 2.600 PT = 15.100
 ELV-IB = 4.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 111/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
4.044	-.042	.00780	.01110	.00180	-.03710	-.03850
	GRADIENT	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(EE5038) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.000 PT = 15.100
 ELV-IB = 4.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 112/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-3.763	.011	-.13160	-.11370	-.12360	-.12660	-.12660
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 113/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
.003	-3.986	-.12530	-.10360	-.10510	-.12490	-.12800
.187	.011	-.12200	-.10150	-.11330	-.12590	-.12850
-.063	4.014	-.10840	-.10070	-.11790	-.12700	-.12850
	GRADIENT	.00211	.00036	-.00160	-.00026	-.00006

RUN NO. 114/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.978	.008	-.11640	-.09850	-.10460	-.12480	-.12880
	GRADIENT	.00000	.00000	.00000	.00000	.00000

(EE5039) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 4.000 ELV-0B = -4.000

RUN NO. 115/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.969
 BETA .008
 GRADIENT .0000
 CPI41 .03860
 CPI42 .04550
 CPI43 .04210
 CPI44 .01320
 CPI45 .00100

RUN NO. 116/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA .191
 BETA -3.992
 GRADIENT .011
 CPI41 .03290
 CPI42 .04050
 CPI43 .06290
 CPI44 -.01490
 CPI45 -.01680
 .144 .011 .03680 .04100 .04140 .01710 .00840
 -.138 4.008 .02920 .05050 .05240 .00570 .00570
 GRADIENT -.00046 .00125 -.00131 .00258 .00281

RUN NO. 117/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.981
 BETA .011
 GRADIENT .0000
 CPI41 .04560
 CPI42 .05200
 CPI43 .05010
 CPI44 .02730
 CPI45 .02010

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(EE5040) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = -4.000

RUN NO. 118/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.084
 BETA -.086
 GRADIENT .0000
 CPI41 -.09550
 CPI42 -.08910
 CPI43 -.09610
 CPI44 -.09960
 CPI45 -.10020

RUN NO. 119/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.038
 BETA -4.086
 GRADIENT -.086
 CPI41 -.09760
 CPI42 -.09410
 CPI43 -.09290
 CPI44 -.10450
 CPI45 -.10690
 -.278 -.086 -.09210 -.08970 -.09960 -.10190
 -.372 3.917 -.09060 -.08480 -.09990 -.10280
 GRADIENT .00087 .00116 .00029 .00057 .00051

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(EE5040) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 120/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.822	-.086	-.09180	-.08190	-.08710	-.10220	-.10510
	GRADIENT	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-18 = 4.000 ELV-08 = -4.000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5041) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 121/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-4.112	-.086	.04560	.04790	.04270	.02410	.01660
	GRADIENT	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-18 = 4.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 122/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-.204	-4.083	.05450	.05740	.06440	.03370	.01860
-.116	-.086	.04420	.04650	.05050	.03600	.02790
	GRADIENT	.05700	.06220	.06680	.02680	.02910
		.00031	.00060	.00030	-.00086	.00131

RUN NO. 123/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.875	-.089	.07640	.08450	.08920	.03400	.02000
	GRADIENT	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(EE5042) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

RUN NO. 124/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.800 BETA -.046
 GRADIENT .00000
 CP141 -0.16190
 CP142 -0.12990
 CP143 -0.14340
 CP144 -0.15830
 CP145 -0.16020
 .00000

RUN NO. 125/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.478 BETA -4.042
 .141 GRADIENT .00570
 .888
 CP141 -0.16250
 CP142 -0.12270
 CP143 -0.12040
 CP144 -0.15300
 CP145 -0.15830
 -0.15300
 -0.15720
 -0.15930
 -0.00057
 -0.00013

RUN NO. 126/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.116 BETA -.042
 GRADIENT .00000
 CP141 -0.15510
 CP142 -0.11210
 CP143 -0.12220
 CP144 -0.15510
 CP145 -0.16040
 .00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

RUN NO. 127/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.728 BETA -.042
 GRADIENT .00000
 CP141 -0.00070
 CP142 .00150
 CP143 .00760
 CP144 .02350
 CP145 .02570
 .00000

RUN NO. 128/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.490 BETA -4.042
 .194 GRADIENT 3.961
 .860
 CP141 .02800
 CP142 .03250
 CP143 .01720
 CP144 -.03610
 CP145 -.04470
 -.03440
 -.05070
 -.04020
 -.00051
 -.00075

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(EE5043) (22 JAN 76)

DATE 04 FEB 76

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(EE5043) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

RUN NO. 129/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
4.022	-.042	.02050	.01670	.00860	-.04160	-.03520
	GRADIENT	.00000	.00000	.00000	.00000	.00000

ARC87-044 1AB2 OTS SRB-OFF MPS-OFF

(EE5044) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

RUN NO. 130/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.978	.011	-.12550	-.10550	-.12130	-.12520	-.12520
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 131/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-.638	-3.992	-.12070	-.09780	-.09850	-.12340	-.12770
.081	.011	-.11740	-.09870	-.10610	-.12400	-.12680
	GRADIENT	.00082	-.00022	-.00190	-.00015	.00022

RUN NO. 132/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
4.075	.014	-.11410	-.09230	-.09810	-.12300	-.12810
	GRADIENT	.00000	.00000	.00000	.00000	.00000

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5045) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

RUN NO. 133/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.966
 BETA .014
 GRADIENT .00000
 CPI41 .03570
 CPI42 .04250
 CPI43 .04060
 CPI44 .01480
 CPI45 .00750
 .00000 .00000

RUN NO. 134/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.619
 BETA -3.986
 GRADIENT .011
 .753
 CPI41 .03270
 CPI42 .04070
 CPI43 .05890
 CPI44 -.00980
 CPI45 -.02080
 .0225 .03700
 .04120 .04200
 .05020 .04900
 -.00090 -.00124
 .00119 .00132
 .00251

RUN NO. 135/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.137
 BETA .011
 GRADIENT .00000
 CPI41 .04890
 CPI42 .05420
 CPI43 .05230
 CPI44 .02150
 CPI45 .01390
 .00000 .00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(EE5046) (22 JAN 76)

RUN NO. 136/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.256
 BETA -.086
 GRADIENT .00000
 CPI41 -.09540
 CPI42 -.08710
 CPI43 -.09360
 CPI44 -.09960
 CPI45 -.10140
 .00000 .00000

RUN NO. 137/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.778
 BETA -4.083
 GRADIENT -.085
 .540
 CPI41 -.09210
 CPI42 -.08860
 CPI43 -.09040
 CPI44 -.10280
 CPI45 -.10580
 -.147 -.09450
 .3.917 -.09210
 -.08620 -.09090
 .00000 .00030
 .00006 -.00000
 -.00000 -.00000

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(EE5046) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 975.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 139/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.878	-.083	-.09150	-.08320	-.08860	-.10460	-.10700
	GRADIENT	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 975.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 139/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-4.134	-.083	.04360	.04990	.05050	.02860	.03090
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 140/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-.635	-4.086	.05740	.05680	.08490	.02900	.01530
-.062	-.089	.04500	.04670	.05190	.04560	.03170
.522	3.914	.06140	.06660	.07410	.02800	.03430
	GRADIENT	.00050	.00123	.00115	-.00000	.00237

RUN NO. 141/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.863	-.083	.06900	.07650	.07480	.03670	.03030
	GRADIENT	.00000	.00000	.00000	.00000	.00000

ARC87-044 1482 OTS SRB-NOM MPS-NOM

(EE5047) (22 JAN 76)

ARC87-044 1A82 QTS SRB-OFF MPS-OFF

(EE5048) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 142/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-3.859	-4.039	-16310	-13740	-13540	-15720	-16200
-3.859	-.042	-15820	-13450	-15120	-15790	-15910
-3.928	3.958	-11900	-11250	-15000	-15710	-15820
	GRADIENT	.00552	.00311	-.00183	.00001	.00048

RUN NO. 143/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-1.725	-4.042	-16350	-13390	-12450	-16100	-16720
-.006	-.042	-15490	-12480	-12900	-15920	-16370
.635	3.970	-11680	-10830	-14350	-16360	-16690
	GRADIENT	.00583	.00320	-.00237	-.00032	.00004

RUN NO. 144/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
4.194	-4.055	-16090	-12230	-10510	-15530	-16410
4.063	-.046	-15520	-11310	-12380	-15540	-16050
4.110	3.954	-12180	-10240	-14020	-15770	-16080
	GRADIENT	.00488	.00248	-.00438	-.00030	.00041

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 145/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-3.875	-4.049	-.01900	-.02510	.01400	-.03480	-.04170
-3.741	-.042	-.00160	-.00090	.00730	-.02540	-.02850
-3.909	3.961	.00040	.00150	-.00120	-.04110	-.04610
	GRADIENT	-.00232	-.00295	-.00160	-.00079	-.00055

ARC87-044 1A82 QTS SRB-NOM MPS-NOM

(EE5049) (22 JAN 76)

DATE 04 FEB 76

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5049) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 146/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-.781	-4.042	.02830	.03270	.01890	-.03510	-.04420
.044	-.046	.00850	.00960	.00410	-.03390	-.03390
.522	3.958	.00170	.01520	.01630	-.04030	-.05000
	GRADIENT	-.00375	-.00219	-.00032	-.00065	-.00073

RUN NO. 147/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
4.082	-4.045	.03010	.03870	.02520	-.05530	-.05910
4.034	-.046	.01500	.01220	.00590	-.04210	-.03570
4.100	3.961	.00700	.01720	.01140	-.04320	-.05230
	GRADIENT	-.00289	-.00268	-.00172	.00151	.00085

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(EE5050) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 148/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.960	-3.986	-.12040	-.10900	-.10480	-.12270	-.12530
-4.050	-1.995	-.12120	-.10370	-.10520	-.11970	-.12200
-3.903	.008	-.12520	-.10880	-.12170	-.12520	-.12550
-3.822	2.014	-.10980	-.09950	-.11470	-.12040	-.12160
-3.875	4.017	-.10930	-.10550	-.11770	-.12340	-.12460
	GRADIENT	.00169	.00056	-.00176	-.00011	.00009

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(EE5050) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

RUN NO. 149/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.666	-3.989	-1.2310	-1.10140	-1.10170	-1.12500	-1.12950
-4.38	-1.989	-1.12140	-1.10690	-1.10460	-1.12180	-1.12480
-0.94	.014	-1.11890	-0.9940	-1.10740	-1.12420	-1.12760
.072	2.017	-1.10690	-0.9210	-1.10770	-1.12250	-1.12480
.487	4.011	-1.10250	-0.9410	-1.11130	-1.12610	-1.12840
	GRADIENT	.00278	.00147	-.00111	-.00014	.00011

RUN NO. 150/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
4.022	-3.992	-1.11890	-0.9830	-0.9570	-1.12460	-1.13220
4.078	-1.989	-1.11720	-1.0010	-0.9590	-1.12370	-1.12780
4.081	.011	-1.11580	-0.9450	-1.10020	-1.12340	-1.12760
4.050	2.011	-1.10600	-0.8850	-1.10030	-1.12350	-1.12770
4.016	4.014	-1.10180	-0.8840	-1.10520	-1.12500	-1.12920
	GRADIENT	.00227	.00157	-.00217	-.00003	.00030

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5051) (22 JAN 76)

RUN NO. 151/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.888	-3.989	.02490	.03020	.03710	-.01510	-.01700
-3.950	-1.989	.03270	.03650	.03080	-.00310	-.00920
-3.910	.014	.03080	.03610	.03460	.01100	.00410
-3.922	2.008	.03070	.03300	.03680	.00020	.00210
-3.997	4.008	.03600	.03940	.04130	-.00400	-.01610
	GRADIENT	.00101	.00075	.00072	.00128	.00066

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(EE5051) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 152/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.903	-3.989	.03030	.03790	.05540	-.01310	-.02070
-.566	-1.995	.03560	.03940	.03030	-.01160	-.01420
-.119	.011	.03230	.03680	.03720	.01020	.00370
.131	2.014	.03090	.03430	.03660	-.00180	.01040
.387	4.008	.02310	.04600	.04670	-.00050	-.00080
	GRADIENT	-.00095	.00055	-.00055	.00175	.00322

RUN NO. 153/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.972	-3.989	.03830	.04400	.06190	-.01160	-.02220
4.009	-1.995	.04400	.05270	.04970	-.00810	-.01040
4.006	.005	.04630	.05200	.04970	.01810	.00940
4.065	2.014	.04800	.04770	.04080	-.00980	-.00940
4.072	4.011	.04690	.05110	.04650	.00120	-.00330
	GRADIENT	.00106	.00046	-.00198	.00119	.00194

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 154/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-4.213	-4.083	-.09210	-.09210	-.08980	-.10020	-.10200
-4.197	-2.083	-.09470	-.09010	-.09180	-.09990	-.10230
-4.181	-.083	-.09330	-.08690	-.09270	-.09960	-.09960
-4.262	1.914	-.08920	-.08340	-.08980	-.09730	-.09910
-4.225	3.914	-.08660	-.08140	-.08540	-.09590	-.09820
	GRADIENT	.00083	.00141	.00054	.00056	.00054

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(EE5052) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 8.000 ELV-08 = -4.000

RUN NO. 155/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-1.056	-4.085	-.09070	-.09560	-.08660	-.09830	-.10110
-.750	-2.029	-.09210	-.09090	-.08920	-.09950	-.10200
-.372	-.089	-.08380	-.08220	-.08630	-.09850	-.10080
-.109	1.914	-.09010	-.08370	-.08720	-.09820	-.10050
.215	3.917	-.09010	-.08430	-.08690	-.10050	-.10340
	GRADIENT	.00016	.00059	-.00013	-.00010	-.00016

RUN NO. 156/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.837	-4.083	-.09210	-.08800	-.08580	-.10430	-.10840
3.759	-2.089	-.09500	-.08980	-.08980	-.10370	-.10660
3.697	-.086	-.08950	-.08190	-.08560	-.10050	-.10280
3.781	1.914	-.08720	-.07560	-.07360	-.09820	-.10230
3.706	3.911	-.08340	-.07470	-.08110	-.10020	-.10490
	GRADIENT	.00126	.00204	.00108	.00069	.00057

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

(EE5053) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 8.000 ELV-08 = -4.000

RUN NO. 157/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-4.282	-4.092	.05590	.05880	.06700	.02990	.01360
-4.166	-2.089	.04840	.05410	.05590	.01650	.01070
-4.150	-.089	.04580	.05050	.05050	.03190	.03480
-4.294	1.914	.03900	.04370	.03900	.01180	.01240
-4.169	3.917	.02230	.02750	.03390	.00260	.00610
	GRADIENT	-.00383	-.00365	-.00415	-.00296	-.00067

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(EE5053) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-IB = 8.000 ELV-OB = -4.000

RUN NO. 158/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-979	-4.089	.05700	.05760	.06390	.02570	.01470
-775	-2.083	.05640	.06100	.06630	.02170	.01590
-356	-.086	.04370	.04550	.05070	.04370	.03450
-.047	1.911	.06570	.06920	.07030	.02920	.03150
.418	3.917	.06900	.07530	.08350	.03250	.04000
	GRADIENT	.00166	.00218	.00216	.00105	.00331

RUN NO. 159/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.722	-4.092	.07470	.07470	.07350	.03880	.03990
3.750	-2.092	.08320	.08780	.09070	.04380	.04610
3.725	-.083	.07630	.08330	.08340	.04280	.03810
3.791	1.908	.07710	.08400	.08910	.04350	.03530
3.756	3.914	.07380	.08490	.09180	.04780	.03390
	GRADIENT	-.00040	.00083	.00170	.00088	-.00114

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.500 PT = 15.100
 ELV-IB = 8.000 ELV-OB = .000

RUN NO. 160/ 0 RN/L = 2.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.766	-.042	-.15650	-.13350	-.14980	-.15260	-.15260
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 161/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-.562	-4.042	-.16270	-.13390	-.12100	-.15240	-.15770
.144	-.042	-.15550	-.12480	-.12380	-.15330	-.15690
.653	3.958	-.11530	-.10790	-.14460	-.15700	-.15870
	GRADIENT	.00593	.00325	-.00295	-.00057	-.00012

(EE5054) (22 JAN 76)

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(EE5054) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

RUN NO. 162/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
4.100	-.039	-.15330	-.11410	-.12400	-.15470	-.16020
	GRADIENT	.00000	.00000	.00000	.00000	.00000

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(EE5055) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .000

RUN NO. 163/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.819	-.039	-.00490	-.00110	.00560	-.02950	-.03170
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 164/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-.587	-4.045	.02980	.03420	.02040	-.03310	-.04330
-.103	-.042	.01160	.01300	.00610	-.03000	-.03140
.666	3.958	-.00220	.01760	.01870	-.03920	-.04970
	GRADIENT	-.00400	-.00207	-.00021	-.00076	-.00080

RUN NO. 165/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.981	-.039	.01780	.01360	.00750	-.04160	-.03470
	GRADIENT	.00000	.00000	.00000	.00000	.00000

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(EE50556) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 8.000 ELV-08 = .0000

RUN NO. 166/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-3.978	.014	-12550	-10870	-12210	-12480	-12550
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 167/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-638	-3.992	-12290	-10220	-10340	-12440	-12900
.022	.011	-11960	-09700	-10740	-12460	-12760
.578	4.014	-10260	-09450	-11330	-12700	-12930
	GRADIENT	.00254	.00096	-.00124	-.00032	-.00004

RUN NO. 168/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.997	.014	-11900	-09840	-10380	-12670	-13130
	GRADIENT	.00000	.00000	.00000	.00000	.00000

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(EE50557) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 8.000 ELV-08 = .0000

RUN NO. 169/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-3.875	.014	-03430	.04010	.03890	.01410	.00690
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 170/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-.866	-3.986	.03550	.04310	.05910	-.00830	-.01590
-.182	.011	.04110	.04570	.04650	.01830	.01140
.597	4.011	-.02640	.05040	.05000	.00200	.00200
	GRADIENT	-.00114	.00091	-.00114	.00129	.00224

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5057) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
ELV-18 = 8.000 ELV-08 = .000

RUN NO. 171/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
4.050	.008	.04950	.05600	.05250	.02210	.01520
GRADIENT		.00000	.00000	.00000	.00000	.00000

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(EE5058) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
ELV-18 = 8.000 ELV-08 = .000

RUN NO. 172/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-4.240	-.089	-.09660	-.09020	-.09490	-.10010	-.10130
GRADIENT		.00000	.00000	.00000	.00000	.00000

RUN NO. 173/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-.913	-4.083	-.03430	-.08960	-.08960	-.10240	-.10420
-.347	-.089	-.09110	-.08350	-.08810	-.09980	-.10210
.209	3.914	-.08840	-.08260	-.08840	-.09890	-.10240
GRADIENT		.00074	.00388	.00015	.00044	.00022

RUN NO. 174/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.791	-.083	-.08870	-.08060	-.08580	-.09920	-.10270
GRADIENT		.00000	.00000	.00000	.00000	.00000

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(EE5059) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 8.000 ELV-08 = .000

RUN NO. 175/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-4.172	-4.083	.04640	.05160	.05220	.03360	.03590
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 176/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-1.072	-4.086	.05550	.05660	.06360	.02340	.01230
-.381	-.089	.04280	.04570	.05040	.04110	.03120
.409	3.917	.06880	.07120	.07870	.02970	.03730
	GRADIENT	.00166	.00183	.00189	.00079	.00312

RUN NO. 177/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.747	-.086	.07240	.08060	.07710	.03860	.03510
	GRADIENT	.00000	.00000	.00000	.00000	.00000

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(EE5060) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

RUN NO. 178/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.912	-4.039	-.16100	-.13420	-.13120	-.15490	-.15930
-4.016	-.042	-.15780	-.13330	-.14740	-.15700	-.15810
-3.853	3.964	-.11990	-.11190	-.14880	-.15790	-.15880
	GRADIENT	.00514	.00279	-.00220	-.00037	.00006

(EE5060) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

RUN NO. 179/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-546	-4.045	-13190	-11680	-15820	-16480	-16480
.053	-.036	-12880	-12740	-15910	-16410	-16410
.669	3.967	-10800	-14500	-16520	-16850	-16850
	GRADIENT	.00517	.00298	-.00352	-.00087	-.00046

RUN NO. 180/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.882	-4.042	-15930	-12250	-10370	-16200	-17140
4.034	-.042	-15310	-10940	-12070	-16160	-16800
4.154	3.961	-12100	-10080	-13950	-16710	-17180
	GRADIENT	.00479	.00271	-.00447	-.00064	-.00005

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(EE5061) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

RUN NO. 181/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.890	-4.042	.02130	.02630	.01550	-.03290	-.04060
-3.900	-.042	-.00100	.00150	.00650	-.02580	-.02800
-3.940	3.958	.00080	.00170	.00110	-.03980	-.04500
	GRADIENT	-.00256	-.00308	-.00180	-.00086	-.00055

RUN NO. 182/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-.634	-4.039	.02910	.03320	.01910	-.03620	-.04500
-.063	-.039	.01510	.01370	.00880	-.03240	-.03270
.788	3.958	-.00030	.01690	.01960	-.03840	-.04970
	GRADIENT	-.00358	-.00204	.00006	-.00027	-.00059

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(EE5061) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 183/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
4.060	-4.045	.02810	.03720	.02420	-.05790	-.06150
4.009	-.042	.01660	.01300	.00530	-.04480	-.03980
4.019	3.954	.00900	.01790	.01400	-.04430	-.05480
	GRADIENT	-.00239	-.00241	-.00128	.00170	.00084

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(EE5062) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 184/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-3.963	-3.995	-.12140	-.10650	-.10350	-.12290	-.12520
-4.050	.009	-.12430	-.10710	-.12010	-.12390	-.12430
-4.038	4.014	-.10710	-.10290	-.11580	-.12200	-.12310
	GRADIENT	.00179	.00045	-.00154	.00011	.00026

RUN NO. 185/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-713	-3.989	-.12290	-.10070	-.10150	-.12590	-.12980
-.091	.011	-.11950	-.10000	-.10650	-.12480	-.12790
.581	4.014	-.10210	-.09340	-.10940	-.12620	-.12880
	GRADIENT	.00260	.00091	-.00099	-.00004	.00012

RUN NO. 186/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.687	-3.986	-.11930	-.09790	-.08380	-.12420	-.13190
3.825	.011	-.11450	-.09200	-.09740	-.12330	-.12790
4.062	4.011	-.10000	-.08630	-.10350	-.12450	-.12830
	GRADIENT	.00241	.00145	-.00245	-.00004	.00045

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(EE5063) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 187/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-4.053	-3.989	.02730	.03260	.03980	-.00970	-.01350
-4.200	.011	.03700	.04270	.04050	.01610	.00920
-4.135	4.011	.03930	.04240	.04430	-.00140	-.01100
	GRADIENT	.00150	.00123	.00056	.00104	.00031

RUN NO. 188/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-7.709	-3.995	.03290	.04090	.05960	-.00940	-.02120
-.041	.008	.03720	.04140	.04210	.01390	.00710
.525	4.008	.02630	.05000	.04960	.00160	.00160
	GRADIENT	-.00082	.00114	-.00125	.00138	.00285

RUN NO. 189/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.909	-3.992	.03580	.04080	.06060	-.01420	-.02680
3.993	.011	.04940	.05540	.05240	.02150	.01430
3.859	4.017	.04950	.05450	.04990	.00230	-.00460
	GRADIENT	.00171	.00171	-.00134	.00206	.00277

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(EE5064) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 190/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-4.213	-4.080	-.09340	-.09340	-.09050	-.10040	-.10280
-4.384	-.086	-.09600	-.08900	-.09430	-.10130	-.10250
-4.350	3.914	-.08850	-.08320	-.08850	-.09780	-.10130
	GRADIENT	.00051	.00129	.00025	.00033	.00019

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(EE5064) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-IB = 10.000 ELV-OB = .000

RUN NO. 191/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-1.016	-4.083	-.09140	-.08790	-.08960	-.10190	-.10420
-.294	-.086	-.09200	-.08500	-.08910	-.10010	-.10300
.359	3.914	-.09020	-.08270	-.08790	-.10070	-.10300
	GRADIENT	.00015	.00065	.00021	.00015	.00015

RUN NO. 192/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.775	-4.092	-.08970	-.08440	-.08330	-.10130	-.10480
3.675	-.086	-.08680	-.07860	-.08330	-.09780	-.10190
3.665	3.920	-.08090	-.07330	-.08030	-.10010	-.10420
	GRADIENT	.00110	.00139	.00037	.00015	.00007

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(EE5065) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-IB = 10.000 ELV-OB = .000

RUN NO. 193/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-4.288	-4.086	.05730	.05790	.06830	.03000	.01310
-4.228	-.083	.04530	.05290	.05350	.03080	.03200
-4.303	3.917	.02430	.02950	.03770	.00460	.00570
	GRADIENT	-.00412	-.00355	-.00382	-.00317	-.00092

RUN NO. 194/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-.950	-4.089	.06230	.05230	.07050	.03210	.02110
-.194	-.089	.04750	.05040	.05610	.04870	.03530
.325	3.917	.07590	.08280	.09100	.03580	.03930
	GRADIENT	.00170	.00256	.00256	.00046	.00227

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(EE5065) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

RUN NO. 195/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.690	-4.098	.06680	.06740	.06800	.02800	.03030
3.716	-.089	.07590	.08290	.07940	.04110	.03590
3.697	3.924	.07630	.08730	.09600	.04900	.03620
	GRADIENT	.00118	.00248	.00349	.00262	.00074

(EE5066) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 196/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-4.065	-.042	-.00800	-.00250	.00530	-.04440	-.05130
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 197/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-.740	-4.042	.02280	.03110	.01840	-.03600	-.05560
-.081	-.042	.00580	.00860	.00470	-.03940	-.04750
.569	3.954	.00700	.01370	.01430	-.04670	-.06220
	GRADIENT	-.00373	-.00218	-.00051	-.00134	-.00082

RUN NO. 198/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
4.053	-.042	.01100	.01100	.00410	-.03790	-.04070
	GRADIENT	.00000	.00000	.00000	.00000	.00000

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(EE5067) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

RUN NO. 199/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-4.088	.011	.03360	.04150	.03970	.00500	-.00910
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 200/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-.691	-3.986	.02730	.03840	.05900	-.02940	-.02980
.015	.008	.02680	.03400	.03480	.00170	-.00900
.503	4.011	.02320	.04680	.04680	-.00390	-.00470
	GRADIENT	-.00051	.00105	-.00152	.00319	.00314

RUN NO. 201/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.978	.014	.04030	.04940	.04370	.02280	.01250
	GRADIENT	.00000	.00000	.00300	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

RUN NO. 202/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-4.287	-.083	.04140	.04840	.04840	.01990	.01640
	GRADIENT	.00000	.00000	.00300	.00000	.00000

RUN NO. 203/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-.938	-4.083	.04930	.05570	.06210	.02950	.01090
-.240	-.086	.03470	.04230	.04320	.01790	.00510
.290	3.917	.06870	.07850	.08570	.02920	.04190
	GRADIENT	.00243	.00285	.00308	-.00004	.00388

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(EE5068) (22 JAN 76)

MPS-NOM (NO.1 OFF)

ARC87-044 1A82 OTS SRB-NOM

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 204/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.803	-.089	.06300	.07410	.07350	.03160	.02810
	GRADIENT	.00000	.00000	.00000	.00000	.00000

(EE5069) (22 JAN 76)

MPS-NOM (NO.2 OFF)

ARC87-044 1A82 OTS SRB-NOM

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 205/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-4.116	-.046	.01470	.00340	.00250	-.00470	-.01490
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 206/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-.693	-4.042	.01420	.01280	.01030	-.02460	-.03340
-.031	-.039	-.00030	-.00200	-.00640	-.02270	-.02410
.566	3.954	-.00600	.00560	.00840	-.03330	-.04800
	GRADIENT	-.00253	-.00090	-.00024	-.00109	-.00182

RUN NO. 207/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
4.091	-.042	.00890	.00310	-.00080	-.02180	-.02760
	GRADIENT	.00000	.00000	.00000	.00000	.00000

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF) (EE5070) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 208/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-4.097	.011	.04480	.04510	.03980	.02500	.01160
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 209/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-834	-3.986	.05700	.06540	.05850	.01780	.00060
-056	.011	.02920	.03610	.03490	.01700	.00860
.481	4.008	.04540	.05070	.04380	.01990	.01950
	GRADIENT	-.00145	-.00184	-.00184	.00026	.00236

RUN NO. 210/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
3.937	.014	.05980	.06170	.05640	.04310	.02630
	GRADIENT	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF) (EE5071) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 211/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-4.225	-.083	.04340	.03290	.02530	.04400	.02070
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 212/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CPI41	CPI42	CPI43	CPI44	CPI45
-957	-4.083	.04840	.06360	.06300	.02450	.02100
-.291	-.086	.04890	.04940	.04420	.05530	.03720
.231	3.914	.04770	.04540	.03780	.02620	.02560
	GRADIENT	-.00009	-.00228	-.00315	.00021	.00057

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(EE5071) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 213/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.719	-.086	.05330	.06850	.08530	.04570	.02650
GRADIENT		.00000	.00000	.00000	.00000	.00000

(EE5072) (22 JAN 76)

ARC87-044 1A82 OT MPS-NOM (NO.2 OFF)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 214/ 0 RN/L = 1.72 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-4.334	-.086	-.07780	-.08300	-.08540	-.07550	-.07490
GRADIENT		.00000	.00000	.00000	.00000	.00000

RUN NO. 215/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-.857	-4.086	-.08830	-.08600	-.08600	-.07780	-.07660
-.194	-.086	-.07750	-.07700	-.07870	-.07230	-.07000
.465	3.914	-.08330	-.08560	-.08790	-.07690	-.07690
GRADIENT		.00063	.00005	-.00024	.00011	-.00004

RUN NO. 216/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.840	3.917	-.07600	-.07950	-.08360	-.07600	-.07430
GRADIENT		.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OT MPS-NOM (NO.1 OFF).

(EE5073) (22 JAN 76)

REFERENCE DATA

SREF = 2690.000 SQ. FT.
LREF = 1290.300 IN.
BREF = 1290.300 IN.
SCALE = .0100

XMRP	=	976.0000	IN.	XT
YMRP	=	.0000	IN.	YT
ZMRP	=	400.0000	IN.	ZT

MACH	=	3.500	PT	=	15.100
ELV-{B	=	.000	ELV-OB	=	.000

PARAMETRIC DATA

RUN NO.	217/ 0	RN/L =	1.73	GRADIENT	INTERVAL =	-5.00/	5.00
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ALPHA	BETA	CP14:	CP142	CP143	CP144	CP145
-4.272	-.086	-.08650	-.08700	-.08820	-.08010	-.07660
GRADIENT		.00000	.00000	.00000	.00000	.00000

RUN NO.	218/ 0	RN/L =	1.71	GRADIENT INTERVAL	= -5.00/	5.00
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ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-.907	-4.089	-.08710	-.08350	-.08240	-.07430	-.07200
-.216	-.083	-.07810	-.07810	-.07810	-.07580	-.07460
.247	3.914	-.08010	-.08070	-.08360	-.07430	-.07430
	GRADIENT	-.00088	-.00035	-.00015	-.00000	-.00029

RUN NO.	219/ 0	RN/L =	1.70	GRADIENT INTERVAL =	-5.00/ 5.00
---------	--------	--------	------	---------------------	-------------

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.944	-.083	-.07310	-.07190	-.07080	-.07430	-.07370
	GRADIENT	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 1290.3000 IN.
BREF = 1290.3000 IN.
SCALE = .0100

XMRP	=	976.0000	IN.	XT
YMRP	=	.0000	IN.	YT
ZMRP	=	400.0000	IN.	ZT

MACH	=	3.500	PT	=	15.100
ELV-1B	=	.000	ELV-08	=	.000

PARAMETRIC DATA

RUN-NO.	220/ 0	RN/L =	1.70	GRADIENT INTERVAL =	-5.00/ 5.00
---------	--------	--------	------	---------------------	-------------

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-4.344	-.083	-.09890	-.10300	-.10760	-.10120	-.09890
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO.	221/ 0	RN/L =	1.69	GRADIENT INTERVAL =	-5.00/ 5.00
---------	--------	--------	------	---------------------	-------------

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-.919	-4.06G	-.10410	-.10650	-.10300	-.10470	-.10470
-.044	-.086	-.10300	-.10360	-.10650	-.10470	-.10470
.347	3.920	-.09430	-.09780	-.09950	-.10010	-.10070
	GRADIENT	.00122	.00109	.00044	.00057	.00050

BETA	CP141	CP142	CP143	CP144	CP145
-4.086	-.10410	-.10850	-.10300	-.10470	-.10470
-.086	-.10300	-.10360	-.10650	-.10420	-.10470
3.920	-.09430	-.09780	-.09950	-.10010	-.10070
GRADIENT	.00122	.00109	.00044	.00057	.00050

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ARC87-044 1A82 OT MPS-OFF

(EE5074) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 222/ 0 RN/L = 1.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.800	-.083	-.09890	-.09720	-.09720	-.10120	-.10240
	GRADIENT	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OT MPS-NOM

(EE5075) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 223/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-4.090	-.083	-.07890	-.08470	-.08410	-.06840	-.06320
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 224/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-.800	-4.086	-.07890	-.07890	-.07890	-.06440	-.06140
-.106	-.086	-.07050	-.07400	-.07150	-.06470	-.06170
.509	3.914	-.07220	-.07510	-.07740	-.06460	-.06340
	GRADIENT	.00084	.00048	.00019	-.00003	-.00025

RUN NO. 225/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.825	-.083	-.06230	-.06460	-.06170	-.06000	-.05940
	GRADIENT	.00000	.00000	.00000	.00000	.00000

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(EE5076) (22 JAN 76)

ARC87-044 1A82 OT MPS-NOM-

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 226/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-4.259						
	-0.083	-0.08290	-0.08580	-0.08760	-0.07540	-0.07130
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 227/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-0.860						
-0.194	-4.089	-0.08820	-0.08700	-0.08640	-0.07480	-0.07070
.459	-0.086	-0.08090	-0.07860	-0.07860	-0.07220	-0.07040
	3.911	-0.07890	-0.08120	-0.08350	-0.07190	-0.07130
	GRADIENT	.00116	.00073	.00036	.00036	.00007

RUN NO. 228/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.897						
	-0.083	-0.07710	-0.07650	-0.07420	-0.07420	-0.07240
	GRADIENT	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OT MPS-NOM+

(EE5077) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 229/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-4.175						
	-0.083	-0.07310	-0.08000	-0.07540	-0.05560	-0.05040
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 230/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-0.810						
-0.194	-4.089	-0.06990	-0.07510	-0.07280	-0.05420	-0.05010
.581	-0.086	-0.06320	-0.06850	-0.06440	-0.05160	-0.04810
	3.914	-0.05500	-0.06120	-0.06300	-0.04950	-0.04440
	GRADIENT	.00174	.00174	.00122	.00057	.00071

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(EE5077) (22 JAN 76)

ARC87-044 1A82 OT MPS-NOM+

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

RUN NO. 231/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.791						
	-.089	-.05680	-.06090	-.05330	-.04750	-.04690
	GRADIENT	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OT MPS-NOM++

(EE5078) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 232/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-4.237						
	-.089	-.10670	-.11460	-.11460	-.09090	-.08560
	GRADIENT	.00000	.00000	.00000	.00000	.00000

RUN NO. 233/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
-6.678						
	-4.083	-.10450	-.11240	-.10970	-.09260	-.09130
	-.083	-.09970	-.10760	-.10370	-.08920	-.08390
	3.911	-.09230	-.10020	-.10290	-.08840	-.08310
	GRADIENT	.00153	.00153	.00085	.00053	.00103

RUN NO. 234/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.878						
	-.089	-.08650	-.09440	-.08920	-.08130	-.07860
	GRADIENT	.00000	.00000	.00000	.00000	.00000

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(EE5079) (22 JAN 76)

ARC87-044 1A82 OT MPS-NOM+++

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 235/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.212 BETA -.089
 GRADIENT .00000
 CPI41 -.08980
 CPI42 -.10300
 CPI43 -.10430
 CPI44 -.06870
 CPI45 -.06210
 .00000

RUN NO. 236/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.741 BETA -.086
 -.197 3.920
 .369 GRADIENT .00020
 CPI41 -.08220
 CPI42 -.09140
 CPI43 -.09010
 CPI44 -.06650
 CPI45 -.06510
 -.06950
 -.06690
 -.07270
 -.06480
 .00053 .00020 .00078 .00004

RUN NO. 237/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.069 BETA -.086
 GRADIENT .00000
 CPI41 -.08500
 CPI42 -.09420
 CPI43 -.08890
 CPI44 -.07710
 CPI45 -.07180
 .00000

ARC87-044 1A82 OT MPS-NOM+++

(EE5080) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

RUN NO. 238/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.016 BETA -.083
 GRADIENT .00000
 CPI41 -.08530
 CPI42 -.09980
 CPI43 -.10510
 CPI44 -.05760
 CPI45 -.04970
 .00000

RUN NO. 239/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.953 BETA -.086
 -.197 3.914
 .387 GRADIENT .00071
 CPI41 -.07240
 CPI42 -.08420
 CPI43 -.08020
 CPI44 -.04490
 CPI45 -.05010
 -.06230
 -.05700
 -.07150
 -.05430
 -.00332 .00040 .00139 .00052

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(EE5080) (22 JAN 76)

ARC87-044 1A82 OT MPS-NOM***

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
ELV-18 = .000 ELV-08 = .000

RUN NO. 240/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP141	CP142	CP143	CP144	CP145
3.769	-.086	-.07560	-.08870	-.08220	-.06250	-.05590
	GRADIENT	.00000	.00000	.00000	.00000	.00000

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(RESH01) (13 JAN 75)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -3.916 BETA (1) = -3.992 RN/L = 2.1153 MACH = 2.9974 Q(PSF) = 364.74 PS = 2121.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9450 1.0000

PHI

.000 -.0873 -.1200 -.1215 -.1081 -.1170 -.0779
 45.000 -.1227 -.1227 -.1123 -.1154 .2009
 90.000 -.1227 -.1223 -.0907 -.0125 .3304
 135.000 -.1227 -.1215 -.1185 -.0825 .0735
 180.000 -.1289 .0274 .0441
 225.000 -.1145 -.1231 -.0910 -.1185 -.1096 -.0207
 270.000
 315.000

ALPHA (1) = -3.953 BETA (2) = -1.986 RN/L = 2.1153 MACH = 2.9974 Q(PSF) = 364.74 PS = 2121.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9450 1.0000

PHI

.000 -.0906 -.1198 -.1314 -.1094 -.1195 -.0707
 45.000 -.1299
 90.000 -.1260 -.1291 -.1152 -.1176 .1600
 135.000 -.1283 -.1067 -.0475 .2636
 180.000 -.1338 -.1275 -.1191 -.0893 .0942
 225.000 .1120
 270.000 -.1194 -.1334 -.1268
 315.000 -.0305 -.1183 -.1083 -.0868 -.0012

ARC87044 1A82 OTS(SRB=OFF MPS=OFF) (RE5H01)

ET BASE

ALPHA (1) = -3.972 BETA (3) = .008 RN/L = 2.1153 MACH = 2.9974 Q(PSF) = 364.74 PS = 2121.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1038 -.1288 -.1421 -.1102 -.1175 -.0559
 45.000 -.1405
 90.000 -.1366 -.1390 -.1148 -.1179 .1320
 135.000 -.1382 -.1055 -.0544 .2348
 141.000
 180.000 -.1440 -.1374 -.1082 -.0679 .0904
 186.000 .1723
 219.000
 225.000 -.1366
 270.000 -.1292 -.1440 .0262 .1249
 315.000 -.0889 -.1160 -.1001 .0151

ALPHA (1) = -3.891 BETA (4) = 2.011 RN/L = 2.1153 MACH = 2.9974 Q(PSF) = 364.74 PS = 2121.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .1169 -.1389 -.1429 -.1108 -.1193 -.0655
 45.000 -.1491
 90.000 -.1370 -.1491 -.1112 -.1139 .0893
 135.000 -.1480 -.1062 -.0822 .1557
 141.000
 180.000 -.1354 -.1472 -.1185 -.1035 .1014
 186.000 .2193
 219.000
 225.000 -.1464
 270.000 -.1429 -.1346 .0262 .1150
 315.000 -.0895 -.1213 -.1038 .0304

ALPHA (1) = -3.941 BETA (5) = 4.011 RN/L = 2.1153 MACH = 2.9974 Q(PSF) = 364.74 PS = 2121.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1018 -.1306 -.1131 -.1111 -.1185 -.0646
 45.000 -.1271
 90.000 -.1306 -.1310 -.1119 -.1142 .0269
 135.000 -.1298 -.1076 -.1014
 141.000
 180.000 -.1322 -.1287 -.1135 -.1142 .1406
 186.000 .1204

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(RE5H01)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (1) = -3.941 BETA (5) = 4.011

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000						.2654
225.000						
270.000						.1801
315.000						.0506

ALPHA (2) = -.066 BETA (1) = -3.995 RN/L = 2.0952 MACH = 2.9974 Q(PSF) = 364.64 PS = 2121.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000						
45.000						
90.000						
135.000						
141.000						
180.000						
186.000						
219.000						
225.000						
270.000						
315.000						

ALPHA (2) = -.038 BETA (2) = -1.992 RN/L = 2.0952 MACH = 2.9974 Q(PSF) = 364.64 PS = 2121.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000						
45.000						
90.000						
135.000						
141.000						
180.000						
186.000						
219.000						
225.000						
270.000						
315.000						

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) (RE5H01)

ET BASE

ALPHA (2) = -.060 BETA (3) = .008 RN/L = 2.0952 MACH = 2.9974 Q(PSF) = 364.64 PS = 2121.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000 -.0984
 45.000 -.1238
 90.000 -.1253
 135.000 -.1249
 141.000 -.1277
 180.000 -.1242
 186.000 -.1104
 219.000 -.0987
 225.000 -.0712
 270.000 .1636
 315.000 .1049
 .1011
 .0856
 -.0010

ALPHA (2) = -.072 BETA (4) = 2.005 RN/L = 2.0952 MACH = 2.9974 Q(PSF) = 364.64 PS = 2121.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000 -.0993
 45.000 -.1134
 90.000 -.1153
 135.000 -.1149
 141.000 -.1277
 180.000 -.1242
 186.000 -.1104
 219.000 -.0987
 225.000 -.0712
 270.000 .1636
 315.000 .1049
 .1011
 .0856
 -.0010

ALPHA (2) = -.069 BETA (5) = 4.011 RN/L = 2.0952 MACH = 2.9974 Q(PSF) = 364.64 PS = 2121.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000 -.0901
 45.000 -.1142
 90.000 -.1157
 135.000 -.1149
 141.000 -.1277
 180.000 -.1242
 186.000 -.1104
 219.000 -.0987
 225.000 -.0712
 270.000 .1636
 315.000 .1049
 .1011
 .0856
 -.0010

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(RESH01)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (2) = -.069 BETA (5) = 4.011

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .2735
 225.000 -.1122
 270.000 -.1099 -.1157 .0288 .1132
 315.000 -.0870 -.1176 -.1059 .0360

ALPHA (3) = 4.019 BETA (1) = -4.005 RN/L = 2.0814 MACH = 2.9974 Q(PSF) = 364.57 PS = 2120.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0846
 45.000 -.1029 -.1048 -.0943 -.1051 -.0408
 90.000 -.1107
 135.000 -.1087 -.1111 -.1071 -.1094 .0406
 141.000 -.1103 -.0815 .0022 .3095
 180.000 -.1087 -.1099 -.1059 -.0904 .0237
 185.000 .0408
 219.000 -.1095
 225.000 -.0979 -.1068 .0390 .0579
 270.000 -.0792 -.1036 -.1028 -.0396
 315.000

ALPHA (3) = 4.034 BETA (2) = -1.985 RN/L = 2.0814 MACH = 2.9974 Q(PSF) = 364.57 PS = 2120.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0921
 45.000 -.1112 -.1123 -.0943 -.1078 -.0346
 90.000 -.1135
 135.000 -.1158 -.1139 -.1044 -.1078 .0782
 141.000 -.1135 -.0559 .0065 .2615
 180.000 -.1209 -.1131 -.1051 -.0970 .0351
 195.000 .0557
 219.000
 225.000 -.1127
 270.000 -.1080 -.1182 .0363 .0817
 315.000 -.0784 -.1032 -.1075 -.0185

ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH01)

ALPHA (3) = 3.987 BETA (3) = .011 RN/L = 2.0814 MACH = 2.9974 Q(PSF) = 364.57 PS = 2120.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R OD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0850 -.1073 -.1077 -.0991 -.1111 -.0285
 45.000 -.1065 -.1065 -.1045 -.1072 .0886
 90.000 -.1105 -.1066 -.1030 -.0816 .1540
 135.000 .141.000
 180.000 -.1101 -.1062 -.1127 -.0956 .0340
 186.000 .0938
 219.000
 225.000 -.1054
 270.000 .0339
 315.000 -.1031 -.1093 -.0805 -.1076 -.1072 .0997
 .0049

ALPHA (3) = 3.987 BETA (4) = 2.014 RN/L = 2.0814 MACH = 2.9974 Q(PSF) = 364.57 PS = 2120.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R OD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0927 -.1117 -.1129 -.0960 -.1096 -.0344
 45.000 -.1137
 90.000 -.1121 -.1137 -.0976 -.1011 .1089
 135.000 -.1133 -.1007 -.1046 .1049
 141.000
 180.000 -.1117 -.1129 -.1123 -.1135 .0381
 186.000 .1802
 219.000
 225.000 -.1121
 270.000 -.1133 .0353 .0796
 315.000 -.1078 -.1133 -.0771 -.1053 -.1073 .0222

ALPHA (3) = 3.987 BETA (5) = 4.011 RN/L = 2.0814 MACH = 2.9974 Q(PSF) = 364.57 PS = 2120.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R OD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0951 -.1125 -.1133 -.0945 -.1069 -.0414
 45.000 -.1148
 90.000 -.1133 -.1152 -.0987 -.1018 .0597
 135.000 .135.000
 141.000 -.1144 -.0980 -.1057 .0890
 180.000 -.1129 -.1141 -.1139 -.1173 .0672
 186.000

TABULATED SOURCE DATA - 1A82C

(RE5H01)

ET BASE

ARC87044 1A82 OTS(SRB-OFF MPS-OFF)

DATE 06 FEB 76

ALPHA (3) = 3.984 BETA (5) = 4.011

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
219.000							.2653
225.000							
270.000							
315.000							

PHI

.2653

-.1133

.0823

.0427

-.1176

-.0802

-.1084

-.1049

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(RESH02) (13 JAN 75)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -3.671 BETA (1) = -4.039 RN/L = 2.6063 MACH = 2.5975 Q(PSF) = 504.29 PS = 2121.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -1.1137
 45.000 -1.1514 -1.1536 -1.1475 -1.1574 -1.0770
 90.000 -1.1525
 135.000 -1.1578 -1.1525 -1.1568 -1.1596 .1727
 141.000 -1.1598 -1.1428 -1.0590 .3320
 180.000 -1.1615 -1.1595 -1.1540 -1.1361
 186.000 .0546
 219.000 .0869
 225.000
 270.000 -1.1457 -1.1615 -1.0629 .0431
 315.000 -1.1403 -1.1537 -1.1565 -1.0512

ALPHA (1) = -3.781 BETA (2) = -2.039 RN/L = 2.6053 MACH = 2.5975 Q(PSF) = 504.29 PS = 2121.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -1.1169
 45.000 -1.1540 -1.1557 -1.1503 -1.1585 -1.0663
 90.000 -1.1543
 135.000 -1.1613 -1.1537 -1.1585 -1.1601 .1476
 141.000 -1.1712 -1.1492 -1.0786 .2797
 180.000 -1.1644 -1.1726 -1.1615 -1.1226
 186.000 .0873
 219.000 .1367
 225.000
 270.000 -1.1512 -1.1605 -1.0626 .0452
 315.000 -1.1419 -1.1587 -1.1495 -1.0225

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) (RESH02)

ALPHA (1) = -3.784 BETA (3) = -.742 RN/L = 2.6063 MACH = 2.5975 Q(PSF) = 504.29 PS = 2121.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -1.181
 45.000 -.1549 -.1566 -.1536 -.1544 -.0528
 90.000 -.1563
 135.000 -.1599 -.1597 -.1592 .0931
 141.000 -.1720 -.1505 -.0881 .2324
 180.000 -.1681 -.1729 -.1519 -.0993 .0841
 186.000 .2338
 219.000
 225.000 -.1720
 270.000 -.1484 -.1574 -.0609 .0804
 315.000 -.1382 -.1541 -.1410 .0078

ALPHA (1) = -3.697 BETA (4) = 1.945 RN/L = 2.6063 MACH = 2.5975 Q(PSF) = 504.29 PS = 2121.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -1.188
 45.000 -.1554 -.1568 -.1537 -.1562 -.0639
 90.000 -.1574
 135.000 -.1582 -.1536 -.1598 -.1593 .0233
 141.000 -.1633 -.1438 -.0833 .1874
 180.000 -.1638 -.1627 -.1593 -.1211 .1489
 186.000 .2610
 219.000
 225.000 -.1624
 270.000 -.1472 -.1560 -.0597 .1989
 315.000 -.1380 -.1562 -.1427 .0340

ALPHA (1) = -3.587 BETA (5) = 3.958 RN/L = 2.6063 MACH = 2.5975 Q(PSF) = 504.29 PS = 2121.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -1.176
 45.000 -.1538 -.1558 -.1476 -.1543 -.0654
 90.000 -.1574
 135.000 -.1549 -.1594 -.1512 -.1521 -.0019
 141.000 -.1622 -.1403 -.1188 .1504
 180.000 -.1572 -.1619 -.1498 -.1485
 186.000 .1364

(RESH02)

ET BASE

ALPHA (1) = -3.587 BETA (5) = 3.958

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .3109
 225.000 -.1614
 270.000 -.1485 -.1577 -.0592 .2409
 315.000 -.1361 -.1549 -.1381 .0563

ALPHA (2) = -.144 BETA (1) = -.4045 RN/L = 2.5859 MACH = 2.5975 Q(PSF) = 504.12 PS = 2121.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1148
 45.000 -.1430 -.1444 -.1353 -.1398 -.0720
 90.000 -.1438
 135.000 -.1500 -.1554 -.1477 -.1482 .1438
 141.000 -.1554 -.1123 -.0114 .3380
 180.000 -.1576 -.1551 -.1432 -.1350
 186.000 .0307
 219.000 .0464
 225.000 -.1545
 270.000 -.1413 -.1537 -.0552 .0489
 315.000 -.1345 -.1449 -.1505 -.0418

ALPHA (2) = .209 BETA (2) = -2.046 RN/L = 2.5859 MACH = 2.5975 Q(PSF) = 504.12 PS = 2121.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1165
 45.000 -.1426 -.1404 -.1348 -.1434 -.0653
 90.000 -.1409
 135.000 -.1508 -.1525 -.1485 -.1499 .1200
 141.000 -.1648 -.1395 -.0540 .2824
 180.000 -.1575 -.1654 -.1527 -.1339 .0606
 186.000 .0716
 219.000 -.1648
 225.000 -.1412 -.1508 -.0549 .0668
 270.000 -.1331 -.1471 -.1505 -.0152
 315.000

```
ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH02)
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ALPHA (2) =	.156	BETA (3) =	-.046	RN/L	=	2.5859	MACH	=	2.5975	Q(PSF)	=	504.12	PS	=	2121.2
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SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI	- .1158	- .1450	- .1458	- .1431	- .1537	- .0544
.000						
45.000			- .1422			
90.000		- .1509	- .1517	- .1512	- .1532	.1058
135.000			- .1523	- .1075	- .0401	
141.000						.2363
180.000		- .1576	- .1517	- .1490	- .1039	
186.000						.0630
219.000						.1681
225.000			- .1514			
270.000	- .1380	- .1467	- .0546			.1073
315.000			- .1313	- .1467	- .1411	.0041

```
ALPHA ( 2 ) = .150      BETA ( 4 ) = 1.961      RN/L      = 2.5859      MACH      = 2.5975      Q(PSF) = 504.12      PS      = 2121.2
```

SECTION () ET BASE

DEPENDENT VARIABLE CP.

R/R00	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI	- .1199	- .1483	- .1486	- .1457	- .1555	- .0638
.000			- .1497			
45.000		- .1458	- .1494	- .1460	- .1477	.0780
90.000			- .1488	- .1418	- .1395	
135.000						.1322
141.000		- .1503	- .1486	- .1603	- .1572	
180.000						.0853
186.000						.2701
219.000			- .1480			
225.000		- .1486	- .0568			.1387
270.000	- .1418		- .1331	- .1505	- .1479	.0224
315.000						

ALPHA (2) =	.044	BETA (5) =	3.954	RN/L	=	2.5859	MACH	=	2.5975	Q (PSF)	=	504.12	PS	=	2121.2
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SECTION () NET BASE

DEPENDENT VARIABLE: CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000

PHI	- .1197	- .1484	- .1489	- .1433	- .1528	- .0713
45,000			- .1920			
90,000		- .1467	- .1517	- .1458	- .1478	.0086
135,000			- .1509	- .1383	- .1430	
180,000						.0780
225,000		- .1492	- .1503	- .1545	- .1568	
270,000						.1032

(RE5H02)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (2) = .044 BETA (5) = 3.954

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .3254
 225.000 -.1498
 270.000 -.0586
 315.000 -.1341 -.1503 -.1444 .0381

ALPHA (3) = 4.279 BETA (1) = -4.042 RN/L = 2.5694 MACH = 2.5975 Q(PSF) = 503.98 PS = 2121.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1066
 45.000 -.1316 -.1324 -.1283 -.1362 -.0493
 90.000 -.1420
 135.000 -.1347 -.1420 -.1370 -.1379 .0552
 141.000 -.1414 -.0877 .0342 .3920
 180.000 -.1450 -.1411 -.1311 -.1222
 186.000 .0248
 219.000 .0422
 225.000 -.1408
 270.000 -.1234 -.1327 -.0401 .0773
 315.000 -.1255 -.1367 -.1412 -.0333

ALPHA (3) = 4.231 BETA (2) = -2.046 RN/L = 2.5694 MACH = 2.5975 Q(PSF) = 503.98 PS = 2121.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1116
 45.000 -.1349 -.1327 -.1245 -.1346 -.0400
 90.000 -.1363
 135.000 -.1433 -.1484 -.1407 -.1421 .0703
 141.000 -.1459 -.0889 .0177 .3233
 180.000 -.1515 -.1453 -.1354 -.1248
 186.000 .0475
 219.000 .0624
 225.000 -.1450
 270.000 -.1276 -.1369 -.0417 .1042
 315.000 -.1236 -.1354 -.1416 -.0150

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) (RESH02)

ET BASE

ALPHA (3) = 4.231 BETA (3) = -.042 RN/L = 2.5694 MACH = 2.5975 Q(PSF) = 503.98 PS = 2121.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1158 -.1419 -.1425 -.1340 -.1469 -.0338
 45.000 -.1389
 90.000 -.1385 -.1385 -.1393 .0855
 135.000 -.1503 -.1225 -.0791 .1895
 141.000
 180.000 -.1374 -.1506 -.1485 -.1197
 186.000 .0473
 219.000 .1191
 225.000 -.1503
 270.000 -.1335 -.1382 -.0461 .1354
 315.000 -.1242 -.1385 -.1421 .0050

ALPHA (3) = 4.231 BETA (4) = 1.958 RN/L = 2.5694 MACH = 2.5975 Q(PSF) = 503.98 PS = 2121.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1151 -.1355 -.1353 -.1304 -.1430 -.0400
 45.000 -.1414
 90.000 -.1330 -.1378 -.1318 -.1332 .0957
 135.000 -.1372 -.1253 -.1259 .1128
 141.000
 180.000 -.1355 -.1364 -.1449 -.1455
 186.000 .0783
 219.000 .2702
 225.000 -.1358
 270.000 -.1313 -.1361 -.0478 .1302
 315.000 -.1217 -.1365 -.1427 .0227

ALPHA (3) = 4.219 BETA (5) = 3.964 RN/L = 2.5694 MACH = 2.5975 Q(PSF) = 503.98 PS = 2121.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1185 -.1379 -.1368 -.1243 -.1310 -.0485
 45.000 -.1452
 90.000 -.1373 -.1410 -.1283 -.1291 .0618
 135.000 -.1401 -.1232 -.1271 .0662
 141.000
 180.000 -.1430 -.1399 -.1487 -.1512
 186.000 .0797

ET BASE

TABULATED SOURCE DATA - 1A82C

ARC87044 1A82 OTSISRB=OFF MPS=OFF)

DATE 06 FEB 76

3.964

BETA (5) =

4.219

ALPHA (3) =

.0000

.4500

.6350

.8400

.8950

.9460

1.0000

DEPENDENT VARIABLE CP

.3488

.1319

.0401

-.1400

-.1350

-.1596

-.0479

-.1201

-.1435

-.1373

R/ROD

PHI
219.000
225.000
270.000
315.000

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RE5H03) (13 JAN 75)

ET BASE

ARC87044 1A82 OTS(SRB=N MPS=N)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-08 = .000

ALPHA (1) = -3.684 BETA (1) = -4.042 RN/L = 2.5715 MACH = 2.5975 Q(PSF) = 510.80 PS = 2149.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.9950	.9460	1.0000
PHI	.0000	.0124	.0065	.0060	.0006	-.0032	-.0345
45.000				.0041			
90.000			-.0267	-.0409	-.0390	-.0373	.1701
135.000				-.0007	.0065	.0076	.3290
141.000							
180.000			.0049	.0102	.0067	.0031	.0547
186.000							.0944
219.000				.0102			.0592
225.000		.0177	.0243	.0721			.0721
270.000				.0167	.0101	.0015	-.0468
315.000							

ALPHA (1) = -3.850 BETA (2) = -2.046 RN/L = 2.5715 MACH = 2.5975 Q(PSF) = 510.80 PS = 2149.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0000	.0156	.0111	.0125	.0121	.0105	-.0222
45.000				.0092			
90.000			.0031	-.0205	-.0186	-.0133	.1433
135.000				-.0116	.0016	.0105	.2762
141.000							
180.000			.0034	.0042	.0016	.0016	.0924
186.000							.1373
219.000				.0042			.0437
225.000		.0242	.0333	.0852			.0852
270.000				.0232	.0140	.0096	-.0184
315.000							

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH03)

ALPHA (1) = -3.931 BETA (3) = -.042 RN/L = 2.5715 MACH = 2.5975 Q(PSF) = 510.80 PS = 2149.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000 .0190 .0284 .0359 .0384 .0359 .0110
 45.000 .0234
 90.000 .0142 .0084 -.0106 -.0161 .0818
 135.000 -.0301 -.0261 -.0239 .2320
 141.000
 180.000 .0134 -.0307 -.0059 -.0203 .0821
 186.000 .2279
 219.000
 225.000 -.0102
 270.000 .0281 .0339 .0733 .0657
 315.000 .0417 .0362 .0306 .0075

ALPHA (1) = -3.853 BETA (4) = 1.951 RN/L = 2.5715 MACH = 2.5975 Q(PSF) = 510.80 PS = 2149.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000 .0216 .0257 .0282 .0324 .0329 .0150
 45.000 .0216
 90.000 .0188 .0185 .0172 -.0050 .0260
 135.000 -.0184 -.0174 -.0016 .1908
 141.000
 180.000 .0060 -.0181 -.0047 -.0133 .1481
 186.000 .2615
 219.000
 225.000 -.0173
 270.000 .0260 .0293 .0584 .1911
 315.000 .0352 .0269 .0183 .0353

ALPHA (1) = -3.843 BETA (5) = 3.958 RN/L = 2.5715 MACH = 2.5975 Q(PSF) = 510.80 PS = 2149.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000 .0067 .0061 .0120 .0177 .0133 -.0080
 45.000 .0339
 90.000 .0394 .0358 .0410 .0429 .0280
 135.000 .0097 -.0141 .1460
 141.000
 180.000 .0050 -.0086 -.0343 -.0581 .1338
 186.000

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(RESH03)

ET BASE

ARC87044 1A82 OTS(SRB=N MPS=N)

ALPHA (1) = -3.843 BETA (5) = 3.958

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							.3064
219.000				-.0246			
225.000				.0457			.2347
270.000				.0210			.0509
315.000					.0116	.0008	

ALPHA (2) = .100 BETA (1) = -4.052 RN/L = 2.5651 MACH = 2.5975 Q(PSF) = 510.77 PS = 2149.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0151	.0090	.0084	.0054	-.0001	-.0458	
45.000			.0073				
90.000			-.0165	-.0346	-.0334	-.0303	.1367
135.000				.0179	.0179	.0522	
141.000							.3355
180.000			.0173	.0223	.0232	.0229	
186.000							.0437
219.000							.0622
225.000				.0223			.0517
270.000		.0162	.0176	.0658			.0387
315.000				.0151	.0104	.0085	

ALPHA (2) = -.025 BETA (2) = -2.049 RN/L = 2.5651 MACH = 2.5975 Q(PSF) = 510.77 PS = 2149.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0213	.0150	.0158	.0158	.0162	.0148	-.0325
45.000			.0158				
90.000			-.0089	-.0283	-.0264	-.0231	.1082
135.000				.0250	.0270	.0417	
141.000							.2771
180.000			.0266	.0300	.0315	.0292	
186.000							.0669
219.000							.0785
225.000				.0300			.0583
270.000		.0208	.0227	.0686			.0150
315.000				.0229	.0204	.0135	

(RESH03)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (2) = .050 BETA (3) = -.042 RN/L = 2.5651 MACH = 2.5975 Q(PSF) = 510.77 PS = 2149.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000 .0094 .0188 .0321 .0346 .0393 -.0008
 45.000 .0213 .0069 -.0177 -.0363 .0966
 90.000 .0044 .0011 .0221 .2323
 135.000 .0071 .0049 .0119 .0130 .0677
 180.000 .1639
 219.000 .0049
 225.000 .0376 .0518 .0828 .1015
 270.000 .0357 .0324 .0324 .0042
 315.000

ALPHA (2) = -.031 BETA (4) = 1.961 RN/L = 2.5651 MACH = 2.5975 Q(PSF) = 510.77 PS = 2149.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000 .0103 .0155 .0294 .0338 .0260 -.0094
 45.000 .0361 .0460 .0427 .0412 .0327 .0814
 90.000 .0197 .0185 -.0017 .1259
 135.000 .0205 .0186 -.0155 -.0330 .0740
 180.000 .2635
 219.000 -.0067
 225.000 .0523 .1306
 270.000 .0219 .0166 .0119 .0204
 315.000 -.0008 .0003

ALPHA (2) = .075 BETA (5) = 3.961 RN/L = 2.5651 MACH = 2.5975 Q(PSF) = 510.77 PS = 2149.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000 .0116 .0093 .0110 .0126 .0087 -.0375
 45.000 .0157 .0421 .0157 .0406 .0403 .0248
 90.000 .0412 .0146 .0154 -.0026 .0901
 135.000 .0107 .0129 .0112 .0013 .0976
 180.000

DATE 05 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RE5H03)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (2) = .075 BETA (5) = -3.961

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .3245
 225.000 .0132
 270.000 .0484
 315.000 .0159 .0104 .0007 .0369

ALPHA (3) = 4.147 BETA (1) = -4.039 RN/L = 2.5596 MACH = 2.5975 Q(PSF) = 510.77 PS = 2149.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0261 .0169 .0194 .0201 .0184 -.0320
 45.000 .0214
 90.000 .0069 -.0114 -.0309 -.0484 .0514
 135.000 .0258 .0195 .0869 .3883
 141.000
 180.000 .0361 .0372 .0367 .0403
 186.000
 219.000
 225.000 .0189 .0183 .0377 .0733 .0832
 270.000 .0209 .0165 .0143 -.0313
 315.000 .0566

ALPHA (3) = 4.231 BETA (2) = -2.049 RN/L = 2.5596 MACH = 2.5975 Q(PSF) = 510.77 PS = 2149.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0192 .0187 .0192 .0200 .0164 -.0257
 45.000 .0151
 90.000 .0118 -.0040 -.0190 -.0262 .0610
 135.000 .0370 .0344 .0873 .3199
 141.000
 180.000 .0384 .0409 .0350 .0377 .0673
 186.000 .0654
 219.000
 225.000 .0209 .0217 .0409 .0729 .1075
 270.000 .0209 .0142 .0120 -.0145
 315.000

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH03)

ALPHA (3) = 4.284 BETA (3) = -.046 RN/L = 2.5596 MACH = 2.5975 Q(PSF) = 510.77 PS = 2149.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0103	.0303	.0409	.0452	.0427	-.0055
45.000		.0320				
90.000		.0198		-.0024	-.0180	.0762
135.000			-.0113	-.0232	-.0127	.1829
141.000						
180.000		.0165	-.0135	.0014	.0042	.0572
186.000						.1166
219.000			-.0132			
225.000		.0386	.0450			.1365
270.000				.0369	.0380	.0068
315.000						

ALPHA (3) = 4.228 BETA (4) = 1.958 RN/L = 2.5596 MACH = 2.5975 Q(PSF) = 510.77 PS = 2149.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0203	.0236	.0275	.0313	.0302	-.0205
45.000		.0200				
90.000		.0452	.0377	.0263	.0086	.0905
135.000			.0180	.0130	-.0042	.1212
141.000						
180.000		.0258	.0167	-.0006	-.0147	.0696
186.000						.2526
219.000			.0169			
225.000			.0678			.1289
270.000	.0211	.0222	.0288	.0199	.0141	.0203
315.000						

ALPHA (3) = 4.069 BETA (5) = 3.954 RN/L = 2.5596 MACH = 2.5975 Q(PSF) = 510.77 PS = 2149.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0309	.0242	.0256	.0266	.0224	-.0305
45.000			.0267			
90.000		.0334	.0359	.0327	-.0034	.0883
135.000			.0317	.0315	.0160	.0663
141.000						
180.000		.0242	.0317	.0288	.0252	.0865
186.000						

(RESH03)

ET BASE

MPS=N

TABULATED SOURCE DATA - 1A82C

DATE 06 FEB 76

ARC87044 1A82 OTS(SRB=N

ALPHA (3) = 4.069 BETA (5) = 3.954

SECTION (1) ET BASE

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .3478
225.000 .0312
270.000 .0717
315.000 .1312
.0256 .0201 .0279 .0169 .0024 .0377

DEPENDENT VARIABLE CP

(RE5H04) (13 JAN 75)

ET BASE

ARC87044 1A82 OTS(SRB=N- MPS=N)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-08 = .000

ALPHA (1) = -3.781 BETA (1) = -.039 RN/L = 2.5495 MACH = 2.5975 Q(PSF) = 509.36 PS = 2143.7

SECTION (1) ET-BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0211		-.0308	-.0305	-.0303	-.0387	-.0420
45.000			-.0327				
90.000			-.0483	-.0647	-.0634	-.0623	.0783
135.000				-.0174	-.0175	-.0048	
141.000							.2265
180.000			-.0213	-.0124	-.0070	-.0156	
185.000							.0800
219.000				-.0.24			.2304
225.000				.0183		.0719	
270.000		-.0283	-.0280		-.0256	-.0281	-.0052
315.000							

ALPHA (2) = .150 BETA (1) = -4.042 RN/L = 2.5484 MACH = 2.5975 Q(PSF) = 509.42 PS = 2144.4

SECTION (1) ET-BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0227		-.0347	-.0355	-.0353	-.0389	-.0578
45.000			-.0378				
90.000			-.0636	-.0711	-.0681	-.0651	.1366
135.000				-.0319	-.0320	.0169	
141.000							.3445
180.000			-.0291	-.0241	-.0234	-.0231	
185.000							.0304
219.000				-.0241			.0479
225.000				.0233		.0463	
270.000		-.0316	-.0322		-.0356	-.0400	-.0450
315.000							

ARC87044 1A82 OTS(SRB=N- MPS=N) ET BASE (RE5H04)

ALPHA (2) =	.094	BETA (2) =	-.039	RN/L	=	2.5484	MACH	=	2.5975	Q(PSF)	=	509.42	PS	=	2144.4
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SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9450	1.0000
PHI							
.000	-.0198		-.0223	-.0214	-.0209	-.0264	-.0428
45.000				-.0234			
90.000			-.0242	-.0368	-.0342	-.0367	.0922
135.000				-.0490	-.0434	.0005	
141.000							.2378
180.000			-.0384	-.0465	-.0387	-.0312	
186.000							.0634
219.000							.1549
225.000				-.0451			
270.000	-.0198	-.0156		.0280			.0948
315.000				-.0150	-.0248	-.0289	-.0003

ALPHA (2) =	- .012	BETA (3) =	3.961	RN/L	=	2.5484	MACH	=	2.5975	Q(PSF)	=	509.42	PS	=	2144.4
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SECTION () ET BASE

DEPENDENT VARIABLE CP

R/R00	.0000	.4500	.6350	.8400	.8950	.9450	1.0000
PHI							
.000	-.0176		-.0223	-.0235	-.0231	-.0278	-.0564
45.000				-.0232			
90.000			-.0179	-.0221	-.0220	-.0267	.0089
135.000				-.0207	-.0228	-.0373	
141.000							.0871
180.000			-.0243	-.0279	-.0278	-.0342	
186.000							.0901
219.000							.3249
225.000				-.0382			
270.000	-.0226	-.0262		.0302			.1594
315.000				-.0206	-.0317	-.0400	.0351

ALPHA (3) =	4.178	BETA (1) =	- .033	RN/L	=	2.5472	MACH	=	2.5975	O(PSE) =	509.36	PS	=	2143.7
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SECTION () OF BASE

DEPENDENT VARIABLE: CP

R/ROD	.0000	.4500	.6350	.8100	.9950	.9460	1.0000
PHI							
.000	-.0195		-.0175	-.0178	-.0179	-.0257	-.0234
45.000				-.0197			
90.000			-.0153	-.0448	-.0432	-.0390	.0718
135.000				-.0526	-.0548	-.0334	
141.000							.1880
180.000			-.0394	-.0437	-.0373	-.0357	
105.000							.0499

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TABULATED SOURCE DATA - 1A82C

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(RESH04)

ET BASE

ARC87044 1A82 OTS(SRB=N- MPS=N)

ALPHA (3) = 4.178 BETA (1) = -.033

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.1174

-.0428

.0257

-.0151

-.0184

-.0164

-.0223

-.0271

.1349

.0040

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RESH05) (13 JAN 75)

ET BASE

ARC87044 1A82 OTS(SRB=N+ MPS=N)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-08 = .000

ALPHA (1) = -3.853 BETA (1) = -.039 RN/L = 2.5758 MACH = 2.5975 Q(PSF) = 517.43 PS = 2177.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0687 .0591 .0576 .0522 .0284
 45.000 .0654 .0654
 90.000 .0564 .0542 .0451 .0013 .1009
 135.000 .0586 .0590 .0609 .2275
 141.000
 180.000 .0547 .0547 .0617 .0514
 186.000
 219.000 .0547
 225.000 .0766 .0742 .0547
 270.000 .1151 .0838
 315.000 .0680 .0814 .0784 .0250

ALPHA (2) = .029 BETA (1) = -4.049 RN/L = 2.5742 MACH = 2.5975 Q(PSF) = 517.54 PS = 2178.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0640 .0604 .0637 .0583 .0580 .0186
 45.000 .0623
 90.000 .0484 .0270 .0031 -.0051 .1482
 135.000 .0743 .0747 .1036 .3325
 141.000
 180.000 .0763 .0782 .0779 .0755
 186.000
 219.000 .0768
 225.000 .0842 .0845 .0782
 270.000 .1239 .0678 .0654 .0648 .0735
 315.000 -.0072

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(RE5H05)

ET BASE

MPS=N

1A82 OTS(SRB=N+)

MACH = 2.5975

Q(PSF) = 517.54

PS = 2178.2

ALPHA (2) = .091 BETA (2) = -.046 RN/L = 2.5742 MACH = 2.5975 Q(PSF) = 517.54 PS = 2178.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0678	.0661	.0612	.0562	.0504	.0319
45.000				.0678			
90.000			.0637	.0555	.0442	.0056	.1097
135.000				.0653	.0649	.0655	.2308
141.000							.0903
180.000			.0639	.0648	.0679	.0685	.1628
186.000							.1094
219.000							.0326
225.000		.0894	.0897		.0611		
270.000				.0729			
315.000							

ALPHA (2) = .069 BETA (3) = 3.958 RN/L = 2.5742 MACH = 2.5975 Q(PSF) = 517.54 PS = 2178.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0508	.0607	.0700	.0768	.0781	.0478
45.000				.0828			
90.000			.1009	.1011	.1019	.0891	.0707
135.000				.0462	.0546	.0503	.0873
141.000							.0979
180.000			.0601	.0659	.0664	.0688	.3233
186.000							.1649
219.000				.0681	.0691	.0647	.0394
225.000		.0451	.0522	.0962			
270.000				.0713			
315.000							

ALPHA (3) = 3.972 BETA (1) = -.039 RN/L = 2.5758 MACH = 2.5975 Q(PSF) = 517.43 PS = 2177.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0675	.0968	.0929	.0959	.0946	.0837
45.000				.0980			
90.000			.0762	.0790	.0766	.0340	.0943
135.000				.0639	.0487	.0348	.1783
141.000							.0910
180.000			.0648	.0575	.0624	.0640	
186.000							

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TABULATED SOURCE DATA - 1A82C

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(RESH05)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N+)

ALPHA (3) = 3.972 BETA (1) = -.039

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI

219.000							.1208
225.000				.0601			
270.000	.0814	.0790		.1233			.1452
315.000				.1006	.0959	.0970	.0784

(RESH06) (13 JAN 75)

ET BASE

ARC87044 1A82 OTS(SRB=N MPS=N-)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -3.947 BETA (1) = -.039 RN/L = 2.5445 MACH = 2.5975 Q(PSF) = 510.37 PS = 2148.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 .0019 -.0025 -.0017 .0034 -.0002 -.0335
 45.000 .0005
 90.000 -.0245 -.0392 -.0349 -.0329 .0873
 135.000 .0253 .0311 .0402 .2266
 141.000 .0194 .0261 .0349 .0261 .0937
 180.000 .0258 .0505 .0746
 186.000 .0050 .0031 -.0066 .0047
 219.000
 225.000
 270.000
 315.000

ALPHA (2) =

.029 BETA (1) = -4.045 RN/L = 2.5425 MACH = 2.5975 Q(PSF) = 510.43 PS = 2148.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 -.0024 -.0094 -.0097 -.0061 -.0106 -.0530
 45.000 -.0113
 90.000 -.0361 -.0525 -.0469 -.0449 .1374
 135.000 .0034 .0058 .0404 .3317
 141.000 .0009 .0048 .0110 .0116 .0366
 180.000 .0048 .0552
 186.000
 219.000
 225.000
 270.000
 315.000

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RE5H06)

ARC87044 1A82 OTS(SRB=N MPS=N-) ET BASE

ALPHA (2) = .100 BETA (2) = -.042 RN/L = 2.5425 MACH = 2.5975 Q(PSF) = 510.43 PS = 2148.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0021	.0057	.0110	.0121	.0099	-.0308
45.000	.0030						
90.000	.0002			-.0151	-.0111	-.0098	.0953
135.000				-.0026	.0016	.0265	.2293
141.000							
180.000			.0015	.0038	.0113	.0113	
186.000							.0662
219.000							.1613
225.000				.0044			.0992
270.000	.0149	.0280		.0653	.0135	.0099	.0007
315.000				.0174			

ALPHA (2) = .122 BETA (3) = 3.964 RN/L = 2.5425 MACH = 2.5975 Q(PSF) = 510.43 PS = 2148.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0027	.0046	.0041	.0047	-.0003	-.0469
45.000				.0032			
90.000			.0177	.0191	.0204	.0182	.0141
135.000				.0041	.0052	-.0117	.0850
141.000							
180.000			-.0006	-.0020	-.0014	-.0117	.0944
186.000							.3202
219.000							
225.000				-.0020			.1615
270.000	.0035	.0032		.0387	.0019	-.0073	.0372
315.000				.0077			

ALPHA (3) = 4.156 BETA (1) = -.039 RN/L = 2.5393 MACH = 2.5975 Q(PSF) = 510.37 PS = 2148.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0020	.0161	.0278	.0371	.0340	-.0131
45.000				.0270			
90.000			.0442	.0442	.0351	.0166	.0736
135.000				-.0211	-.0363	-.0153	.1997
141.000							
180.000			.0134	-.0016	-.0028	-.0070	.0536
186.000							

(RE5H05)

ET BASE

MPS=N-

ARC87044 1A82 OTS(SRB=N

-039

BETA (1) =

4.156

ALPHA (3) =

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.0005

.0570

.0252

.1121

.1362

.0037

.0213

.0177

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N+) ET BASE (RESH07) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -3.866 BETA (1) = -.039 RN/L = 2.5430 MACH = 2.5975 Q(PSF) = 511.38 PS = 2152.2

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/RCD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0171 .0180 .0216 .0272 .0247 -.0054
 45.000 -.0031
 90.000 .0196 .0141 .0122 .0075 .0919
 135.000 -.0328 -.0306 -.0276 .2300
 141.000
 180.000 .0074 -.0192 -.0104 -.0193
 185.000 .0839
 219.000 .2272
 225.000
 270.000 .0180 .0199 .0670 .0800
 315.000 .0252 .0178 .0114 .0061

ALPHA (2) = .016 BETA (1) = -4.052 RN/L = 2.5416 MACH = 2.5975 Q(PSF) = 511.43 PS = 2152.2

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/RCD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0161 .0120 .0114 .0060 .0013 -.0404
 45.000 .0081
 90.000 -.0102 -.0299 -.0263 -.0227 .1386
 135.000 .0111 .0124 .0467 .3322
 141.000
 180.000 .0142 .0078 .0113 .0160
 185.000 .0433
 219.000 .0624
 225.000
 270.000 .0259 .0314 .0073 .0783 .0522
 315.000 .0193 .0130 .0113 -.0403

(RESH07)

ET BASE

MPS=N+)

ARC87044 1A82 OTS(SRB=N

ALPHA (2) = .125 BETA (2) = -.042 RN/L = 2.5416 MACH = 2.5975 Q(PSF) = 511.43 PS = 2152.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0201	.0315	.0367	.0423	.0417	.0141
45.000				.0290			
90.000			.0201	.0118	-.0039	-.0191	.1001
135.000				-.0096	.0014	.0224	.2295
141.000							
180.000			.0037	-.0038	.0072	-.0099	.0673
186.000							.1625
219.000							
225.000				-.0029			.1000
270.000		.0318	.0334	.0785			.0025
315.000				.0442	.0384	.0359	

ALPHA (2) = -.034 BETA (3) = 3.958 RN/L = 2.5416 MACH = 2.5975 Q(PSF) = 511.43 PS = 2152.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0151	.0129	.0132	.0145	.0120	-.0317
45.000				.0207			
90.000			.0390	.0387	.0386	.0350	.0195
135.000				.0190	.0195	.0018	.0838
141.000							
180.000			.0157	.0157	.0142	.0057	.0944
186.000							.3202
219.000				.0157			
225.000				.0497			.1636
270.000		.0125	.0118	.0192	.0145	.0051	.0376
315.000							

ALPHA (3) = 4.087 BETA (1) = -.042 RN/L = 2.5441 MACH = 2.5975 Q(PSF) = 511.38 PS = 2152.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0190	.0359	.0423	.0457	.0432	-.0074
45.000				.0362			
90.000			.0248	.0198	.0037	-.0152	.0739
135.000				-.0131	-.0224	-.0052	.1887
141.000							
180.000			.0162	-.0026	.0039	.0084	.0596
186.000							

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TABULATED SOURCE DATA - 1A82C

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(RESH07)

ET BASE

MPS=N+

ARC87044 1A82 OTS(SRB=N

ALPHA (3) = 4.087 BETA (1) = -.042

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD00004500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000
225.000
270.000
315.000

.0376 .0401 -.0015
.0897 .0487 .0363 .0346 .0045
.1112 .1389

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(RESH09) (13 JAN 75)

ET BASE

ARC87044 1A82 OTS(SRB=N++ MPS=N)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.500 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

ALPHA (1) = -3.869 BETA (1) = -.042 RN/L = 1.2246 MACH = 2.5975 Q(PSF) = 230.40 PS = 970.37

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .1332 .1246 .1116 .1100 .1014 .0552
 45.000 .1289
 90.000 .1221 .1144 .1088 .1014
 135.000 .1369 .1402 .1378 .2022
 141.000
 180.000 .1449 .1363 .1322 .1248
 186.000
 219.000
 225.000 .1363
 270.000 .1246 .1215 .1600 .1206
 315.000 .1353 .1335 .1298 .0824

ALPHA (2) = .138 BETA (1) = -4.039 RN/L = 1.2267 MACH = 2.5975 Q(PSF) = 229.05 PS = 963.54

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0893 .0887 .0956 .0868 .0793 .0527
 45.000 .0881
 90.000 .0701 .0676 .0713 .0472 .1029
 135.000 .0788 .0818 .1091 .3119
 141.000
 180.000 .0806 .0782 .0781 .0694
 186.000
 219.000
 225.000 .0794
 270.000 .1104 .1098 .1499 .0670
 315.000 .1041 .0911 .0849 .0627

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N++ MPS=N) (RE5H08)

ET BASE

ALPHA (2) = .169 BETA (2) = -.039 RN/L = 1.2267 MACH = 2.5975 Q(PSF) = 229.05 PS = 963.54

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.1030	.1074	.0912	.0911	.0842	.0588
45.000			.1080			
90.000		.0999	.0925	.0929	.0830	.0836
135.000			.1117	.1178	.1066	
141.000						.1962
180.000		.1167	.1204	.1227	.1209	
186.000						.1403
219.000						.1515
225.000			.1217			
270.000	.0981	.0912	.1289		.0769	
315.000			.1140	.1147	.1134	.0738

ALPHA (2) = .072 BETA (3) = 3.958 RN/L = 1.2267 MACH = 2.5975 Q(PSF) = 229.05 PS = 963.54

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0914	.1075	.1063	.1091	.1060	.0756
45.000			.1224			
90.000		.1311	.1349	.1352	.1284	.1091
135.000			.0870	.0806	.0682	
141.000						.0932
180.000		.1057	.1007	.1036	.1029	
186.000						.0963
219.000						.2740
225.000			.1032			
270.000	.0982	.1007	.1470		.1161	
315.000			.1147	.1098	.1029	.0354

ALPHA (3) = 4.159 BETA (1) = -.046 RN/L = 1.2293 MACH = 2.5975 Q(PSF) = 229.39 PS = 965.42

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.1078	.1240	.1155	.1195	.1127	.0855
45.000			.1116			
90.000		.1097	.1023	.1084	.1009	.0817
135.000			.1140	.1152	.0978	
141.000						.1698
180.000		.1215	.1240	.1288	.1263	
186.000						.1437

(RESH08)

ET BASE

ARC87044 1A82 OTS(SRB=N** MPS=N

ALPHA (3) = 4.159 BETA (1) = -.046

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.1400

.1252

.1628

.1387

.1096

.1121

.1362

.1121

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TABULATED SOURCE DATA - 1A82C

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(RESH09) (13 JAN 75)

ET BASE

ARC87044 1A82 OTS(SRB=N++ MPS=N)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 GREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

ALPHA (1) = -3.935 BETA (1) = .008 RN/L = .99140 MACH = 2.9974 Q(PSF) = 164.36 PS = 956.94

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .1060 .0732 .0628 .0636 .0575 .0497
 45.000 .0853
 90.000 .0784 .0827 .0835 .0783 .0904
 135.000 .1121 .1206 .1146 .2260
 141.000
 180.000 .1242 .1415 .1500 .1483
 186.000
 219.000
 225.000 .1433
 270.000 .0887 .0887 .1794 .1056
 315.000 .1016 .0956 .0878 .0631

ALPHA (2) = .065 BETA (1) = -3.995 RN/L = 1.0030 MACH = 2.9974 Q(PSF) = 165.54 PS = 962.60

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0801 .0887 .0870 .0865 .0822 .0702
 45.000 .0913
 90.000 .0698 .0508 .0478 .0478 .1115
 135.000 .1137 .1235 .1321 .3229
 141.000
 180.000 .1042 .1103 .1020 .0900
 186.000
 219.000
 225.000 .1103
 270.000 .1180 .1215 .1103 .0643
 315.000 .1063 .0917 .0874 .0850

(RE5H09)

ET BASE

ARC87044 1A82 OTS (SRB=N++ MPS=N)

ALPHA (2) =	.200	BETA (2) =	.011	RN/L	= 1.0030	MACH	= 2.9974	Q (PSF)	= 165.54	PS	= 962.60
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SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PFI		.0961	.0772	.0600	.0594	.0516	.0473
	.000			.0755			
45.000			.0720	.0780	.0783	.0723	.1092
90.000				.0979	.1092	.1144	
135.000							.1781
141.000							
180.000			.1082	.1246	.1350	.1393	
186.000							.1411
219.000							.1376
225.000				.1271			
270.000	.0867	.0849		.1806			.1325
315.000				.1015	.0955	.0877	.0593

ALPHA (2) = .012 BETA (3) = 4.008 RN/L = 1.0030 MACH = 2.9974 Q (PSF) = 165.54 PS = 962.60

SECTION () NET BASE

DEPENDENT VARIABLE CP

R/R00	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI					
000.	.0839	.0813	.0779	.0839	.0788
45.000			.0890		
90.000		.0890	.0856	.0891	.0857
135.000			.0882	.0959	.0968
180.000					.1543
225.000		.0873	.0796	.0771	.0702
270.000					.1123
315.000					.2289
		.0753	.0710		
			.0796		
			.1627		
			.0951		
				.0814	.0779
					.1012
					.0540

ALPHA (3) =	4.134	BETA (1) =	.014	RN/L	=	1.0020	MACH	=	2.9974	Q(PSF)	=	165.22	PS	=	961.18
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SECTION (NET BASE

DEPENDENT VARIABLE CP:

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PFI					
.000	.1154	.1041	.0989	.1244	.1192
45.000			.0920		
90.000		.0868	.0937	.1192	.1106
135.000			.1110	.1398	.1355
180.000					
180.000		.1180	.1249	.1519	.1536
186.000					
					.1530

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TABULATED SOURCE DATA - 1A82C

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(RESH09)

ET BASE

ARC87044 1A82 OTS(SRB=N++ MPS=N)

ALPHA (3) = 4.134 BETA (1) = .014

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI

219.000
225.000
270.000
315.000

.1257	.1496
.2035	.1487
.1287	.1278
.1244	.1066

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(RESH10) (13 JAN 75)

ET BASE

ARC87044 1A82 OTS(SRB=OFF :PS=N+++)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

ALPHA (1) = -3.978 BETA (1) = .014 RN/L = 1.0064 MACH = 2.9974 Q(PSF) = 165.94 PS = 971.08

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0801	-.1033	-.1075	-.0937	-.1032	-.0843	
45.000		-.1075	-.1075				
90.000		-.1075	-.1084	-.0997	-.1014	.0716	
135.000		-.1084	-.1084	-.1049	-.0569	.1766	
141.000							
180.000		-.1161	-.1161	-.1143	-.0972		
186.000						.0602	
219.000						.1254	
225.000						.1443	
270.000	-.0981	-.1093	.0416	-.0997	-.0997	-.0119	
315.000							

ALPHA (2) = .006 BETA (1) = -3.992 RN/L = 1.0111 MACH = 2.9974 Q(PSF) = 165.95 PS = 965.42

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0854	-.1095	-.1129	-.0885	-.0936	-.0919	
45.000		-.1103	-.1103				
90.000		-.1155	-.1181	-.0996	-.1005	.0902	
135.000		-.1301	-.1030	-.0449		.3084	
141.000							
180.000		-.1249	-.1309	-.1073	-.0988	.0369	
186.000						.0446	
219.000							
225.000						.0172	
270.000	-.1052	-.1223	.0398	-.0748	-.1013	-.1022	-.0745
315.000							

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=N+++)

ET BASE

(RESH10)

ALPHA (2) = .100 BETA (2) = .014 RN/L = 1.0111 MACH = 2.9974 Q (PSF) = 165.95 PS = 965.42

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0861	-.0998	-.1024	-.0875	-.0969	-.0704	
45.000			-.1015				
90.000		-.1032	-.1032	-.0935	-.0961	.0666	
135.000			-.1058	-.0987	-.0969	.1565	
141.000							
180.000		-.1093	-.1050	-.1115	-.1158		
186.000						.0226	
219.000						.0784	
225.000				-.1041			
270.000	-.1007	-.1084		.0418		.0964	
315.000			-.0687	-.0969	-.1004	-.0314	

ALPHA (2) = .015 BETA (3) = 4.011 RN/L = 1.0111 MACH = 2.9974 Q (PSF) = 165.95 PS = 965.42

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0841	-.0988	-.0988	-.0847	-.0908	-.0908	
45.000			-.1014				
90.000		-.1031	-.1039	-.0950	-.0976	-.0444	
135.000			-.1022	-.0993	-.1079		
141.000						.0791	
180.000		-.1134	-.1022	-.1088	-.1131		
186.000						.0610	
219.000						.2263	
225.000			-.1014				
270.000	-.0996	-.1065	.0415		.0972	.0103	
315.000			-.0676	-.0959	-.1036		

ALPHA (3) = 4.053 BETA (1) = .008 RN/L = 1.0093 MACH = 2.9974 Q (PSF) = 165.82 PS = 964.72

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0958	-.0927	-.0953	-.0822	-.0899	-.0513	
45.000			-.0944				
90.000		-.0961	-.0970	-.0890	-.0899	.0446	
135.000			-.1056	-.0993	-.0941		
141.000						.1307	
180.000		-.1047	-.1073	-.1070	-.1104		
186.000						.0088	

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=N+++)

ET BASE

(RESH10)

ALPHA (3) = 4.053 BETA (1) = .008

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000
225.000
270.000
315.000

-.0953 -.1039 -.1073
-.0624 -.0916 -.0933 -.0273
.0543
.0723

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TABULATED SOURCE DATA - 1A82C

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(RE5H11) (13 JAN 75)

ARC87044 1A82 OTS(SRB=OFF MPS=N++) ET BASE

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -3.978 BETA (1) = .008 RN/L = 1.0115 MACH = 2.9974 Q (PSF) = 165.94 PS = 964.72

SECTION (1) ET BASE

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000
 DEPENDENT VARIABLE CP

PHI .000
 .000 - .1038
 45.000 - .1262 - .1287 - .1074 - .1194 - .0877
 90.000 - .1305
 135.000 - .1330 - .1339 - .1151 - .1186 .0664
 141.000 - .1468 - .1117 - .0629 .1793
 180.000 - .1382 - .1485 - .1254 - .1014
 186.000 .0591
 219.000 .1235
 225.000 - .1468
 270.000 - .1219 - .1313 .0330 .1407
 315.000 - .0826 - .1126 - .1134 - .0147

ALPHA (2) = -.050 BETA (1) = -3.995 RN/L = 1.0139 MACH = 2.9974 Q (PSF) = 165.86 PS = 964.72

SECTION (1) ET BASE

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000
 DEPENDENT VARIABLE CP

PHI .000
 .000 - .0857
 45.000 - .1106 - .1123 - .1012 - .1081 - .0969
 90.000 - .1123
 135.000 - .1157 - .1191 - .1123 - .1132 .0865
 141.000 - .1320 - .1063 - .0489 .3086
 180.000 - .1217 - .1329 - .1132 - .1063
 186.000 .0347
 219.000 .0425
 225.000 - .1329
 270.000 - .1063 - .1200 .0325 .0150
 315.000 - .0658 - .1141 - .1141 - .0760

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=N++) ET BASE (RESH11)

ALPHA (2) = .084 BETA (2) = .008 RN/L = 1.0139 MACH = 2.9974 Q(PSF) = 165.86 PS = 964.72

SECTION (1) ET BASE

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1009 -.1224 -.1232 -.1005 -.1116 -.0731
 45.000 -.1232
 90.000 -.1258 -.1073 -.1099 .0620
 135.000 -.1249 -.1116 -.1022 .1474
 141.000
 180.000 -.1301 -.1249 -.1236 -.1219 .0215
 186.000 .0780
 219.000
 225.000 -.1249
 270.000 -.1206 -.1284 .0338 .0951
 315.000 -.0800 -.1107 -.1150 -.0308

ALPHA (2) = -.091 BETA (3) = 4.017 RN/L = 1.0139 MACH = 2.9974 Q(PSF) = 165.86 PS = 964.72

SECTION (1) ET BASE

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0943 -.1124 -.1124 -.1011 -.1071 -.0976
 45.000 -.1141
 90.000 -.1115 -.1124 -.1071 -.1079 -.0461
 135.000 -.1141 -.1088 -.1191 .0767
 141.000
 180.000 -.1210 -.1141 -.1182 -.1225 .0767
 186.000 .2298
 219.000
 225.000 -.1124
 270.000 -.1115 -.1175 .0304 .0973
 315.000 -.0822 -.1114 -.1225 .0096

ALPHA (3) = 4.150 BETA (1) = .014 RN/L = 1.0105 MACH = 2.9974 Q(PSF) = 165.22 PS = 960.47

SECTION (1) ET BASE

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0905 -.1043 -.1052 -.0926 -.1038 -.0539
 45.000 -.1043
 90.000 -.1077 -.1077 -.1003 -.1021 .0442
 135.000 -.1121 -.1098 -.0995 .1272
 141.000
 180.000 -.1146 -.1121 -.1184 -.1210 .0065
 186.000

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(RESH11)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=N++)

ALPHA (3) = 4.150 BETA (1) = .014

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000
225.000
270.000
315.000

.1121
.0382
-.0728

.0582
.0720
-.0280

-.1043

-.1029

-.1055

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N+ MPS=N) ET BASE (RESH12) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 10.700
 ELV-18 = .000 ELV-08 = .000

ALPHA (1) = -3.928 BETA (1) = .014 RN/L = 1.5654 MACH = 2.9974 Q(PSF) = 265.27 PS = 1542.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000 .0904 .0556 .0481 .0492 .0465 .0374
 45.000 .0754 .0754 .0754 .0583 .0551 .0824
 90.000 .0513 .0518 .0518 .0990 .1065 .1726
 135.000 .0937 .0963 .0963 .0904 .1211
 180.000 .0754 .0770 .0867 .0802 .0717 .0557
 225.000 .0969 .1295 .1249
 270.000 .0754 .0770 .0867 .0802 .0717 .0557
 315.000 .0969 .1295 .1249

ALPHA (2) = .075

BETA (1) = -3.989 RN/L = 1.5586 MACH = 2.9974 Q(PSF) = 264.66 PS = 1539.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000 .0831 .0825 .0863 .0850 .0829 .0485
 45.000 .0863 .0863 .0863 .0469 .0474 .1205
 90.000 .0476 .0433 .0433 .0721 .0727 .2787
 135.000 .0718 .0718 .0718 .0770 .0668 .0847
 180.000 .0820 .0820 .0847 .0770 .0668 .0691
 225.000 .0863 .0863 .0863 .0823 .0786 .1089
 270.000 .1110 .1158 .1511 .0942 .0638
 315.000 .1110 .1158 .1511 .0942 .0638

DATE 06 FEB 75

- TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N+ MPS=N) ET BASE (RESH12)

ALPHA (2) = .075 BETA (2) = .014 RN/L = 1.5586 MACH = 2.9974 Q (PSF) = 264.66 PS = 1539.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0491		.0534	.0383	.0389	.0346	.0335
45.000				.0609			
90.000			.0523	.0539	.0545	.0534	.1266
135.000				.0464	.0443	.0282	
141.000							.1225
180.000			.0458	.0448	.0475	.0448	.0578
186.000							.0901
219.000				.0464			
225.000				.0970			.1187
270.000		.0480	.0437	.0680	.0577	.0507	.0497
315.000							

ALPHA (2) = .034 BETA (3) = 4.014 RN/L = 1.5586 MACH = 2.9974 Q (PSF) = 264.66 PS = 1539.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0706		.0835	.0819	.0868	.0841	.0504
45.000				.0905			
90.000			.1136	.1098	.1114	.1055	.0846
135.000				.0578	.0616	.0568	
141.000							.0745
180.000			.0830	.0524	.0879	.0857	.0895
186.000							.2466
219.000				.0556			
225.000				.1210			.0991
270.000		.0723	.0749	.0948	.0911	.0862	.0262
315.000							

ALPHA (3) = 4.118 BETA (1) = .008 RN/L = 1.5573 MACH = 2.9974 Q (PSF) = 264.78 PS = 1541.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0909		.1012	.0979	.0963	.0693	.0625
45.000				.0985			
90.000			.0942	.0931	.0888	.0673	.1070
135.000				.0931	.1006	.0936	
141.000							.1222
180.000			.1028	.0935	.1054	.1054	.1104
186.000							

ARC87044 1A82 OTS(SRB=N+ MPS=N) ET BASE (RE5H12)

ALPHA (3) = 4.118 BETA (1) = .008

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.1068

.0942

.1446

.1108

.1093

.1070

.0819

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(RE5H13) (13 JAN 75)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-OB = .000

ALPHA (1) = -3.972 BETA (1) = -3.989 RN/L = 2.1024 MACH = 2.9974 Q(PSF) = 373.10 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0528	.0494	.0551	.0582	.0593	.0518
45.000				.0505			
90.000			.0133	.0164	.0253	.0294	.2169
135.000				.0353	.0389	.0313	
141.000							.3262
180.000			.0353	.0258	.0268	.0332	
186.000							.0725
219.000							.0873
225.000							.0941
270.000		.0741	.0805			.0650	.0429
315.000				.0813	.0646		

ALPHA (1) = -3.931 BETA (2) = -1.999 RN/L = 2.1024 MACH = 2.9974 Q(PSF) = 373.10 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0494	.0539	.0520	.0565	.0530	.0379
45.000				.0498			
90.000			.0293	.0179	.0254	.0288	.1757
135.000				.0331	.0356	.0303	
141.000							.2645
180.000			.0331	.0088	.0209	.0205	
186.000							.0893
219.000							.1132
225.000				.0065			.0927
270.000		.0619	.0627	.1568			.0248
315.000				.0849	.0697	.0708	

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH13)

ALPHA (1) = -4.153 BETA (3) = .008 RN/L = 2.1024 MACH = 2.9974 Q(PSF) = 373.10 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0494 .0630 .0543 .0533 .0461 .0192
 45.000 .0608 .0418 .0431 .0434 .1427
 90.000 .0513 .0410 .0415 .0461 .2249
 135.000 .141.000 .0410 .0407 .0423 .0370
 180.000 .0517 .0509 .0410 .0737 .0646 .0620 .0168
 219.000 .1347
 225.000 .1336
 270.000 .1715
 315.000

ALPHA (1) = -4.128 BETA (4) = 2.014 RN/L = 2.1024 MACH = 2.9974 Q(PSF) = 373.10 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0393 .0621 .0567 .0574 .0521 .0234
 45.000 .0723 .0514 .0514 .0484 .0514 .1040
 90.000 .0571 .0416 .0400 .0271 .1564
 135.000 .141.000 .0438 .0275 .0120 -.0005
 180.000 .1007
 186.000 .2110
 219.000 .1291
 225.000 .0355 .0381 .1317
 270.000 .0677 .0540 .0480 .0306
 315.000

ALPHA (1) = -3.981 BETA (5) = 4.008 RN/L = 2.1024 MACH = 2.9974 Q(PSF) = 373.10 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0381 .0575 .0560 .0616 .0586 .0366
 45.000 .0746 .0636 .0703 .0658 .0540
 90.000 .0636 .0689 .0461 .0264 .1457
 135.000 .141.000 .0408 .0419 .0264 .0152
 180.000 .1191
 186.000

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TABULATED SOURCE DATA - 1A82C

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(RESH13)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (1) = -3.981 BETA (5) = 4.008

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
219.000							.2598
225.000				.0427			
270.000	.0351	.0344		.1290			.1919
315.000				.0665	.0537	.0434	.0490

ALPHA (2) = .072 BETA (1) = -3.992 RN/L = 2.0948 MACH = 2.9974 Q(PSF) = 373.10 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0554			.0633	.0652	.0682	.0466
45.000				.0561			
90.000		.0262		.0205	.0311	.1424	
135.000				.0421	.0466	.0614	
141.000						.3134	
180.000		.0489		.0447	.0406	.0470	
186.000						.0704	
219.000				.0447		.0575	
225.000				.1765		.0670	
270.000	.0834	.0933		.0750	.0602	.0648	.0446
315.000							

ALPHA (2) = .103 BETA (2) = -1.992 RN/L = 2.0948 MACH = 2.9974 Q(PSF) = 373.10 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0518			.0613	.0611	.0584	.0429
45.000		.0590		.0537			
90.000		.0325		.0279	.0323	.0357	.1209
135.000				.0427	.0437	.0455	
141.000						.2584	
180.000		.0438		.0378	.0365	.0285	
186.000						.0723	
219.000				.0370		.0723	
225.000				.1702			.0548
270.000	.0734	.0810		.0804	.0634	.0653	.0400
315.000							

ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH13)

ALPHA (2) = .125 BETA (3) = .011 RN/L = 2.0948 MACH = 2.9974 Q(PSF) = 373.10 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0447 .0705 .0671 .0693 .0637 .0459
 45.000 .0626
 90.000 .0463 .0489 .0496 .1303
 135.000 .0318 .0250 .0152 .1418
 141.000
 180.000 .0341 .0315 .0511
 186.000 .1000
 219.000
 225.000 .0345
 270.000 .0561 .0516 .0788 .0671 .0655 .0746
 315.000 .0788 .0671 .0655 .0394

ALPHA (2) = .044 BETA (4) = 2.008 RN/L = 2.0948 MACH = 2.9974 Q(PSF) = 373.10 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0327 .0593 .0574 .0570 .0513 .0286
 45.000 .0680
 90.000 .0498 .0445 .0494 .1294
 135.000 .0323 .0320 .0172 .1294
 141.000
 180.000 .0410 .0312 .0259 .0153 .0516
 186.000 .1749
 219.000
 225.000 .0315
 270.000 .0327 .0361 .1298 .0037
 315.000 .0566 .0415 .0354 .0205

ALPHA (2) = .062 BETA (5) = 4.008 RN/L = 2.0948 MACH = 2.9974 Q(PSF) = 373.10 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0310 .0589 .0600 .0630 .0600 .0274
 45.000 .0699
 90.000 .0699 .0725 .0743 .0690 .0690
 135.000 .0357 .0395 .0331 .1029
 141.000
 180.000 .0391 .0334 .0387 .0361 .1029
 186.000 .0866

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TABULATED SOURCE DATA - 1A82C

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(RESH13)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (2) = .062 BETA (5) = 4.008

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .2653
 225.000 .0338
 270.000 .0353 .0384 .1312 .1094
 315.000 .0626 .0520 .0467 .0320

ALPHA (3) = 4.090 BETA (1) = -3.992 RN/L = 2.0908 MACH = 2.9974 Q (PSF) = 373.10 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0609 .0617 .0666 .0646 .0574 .0332
 45.000 .0617 .0617 .0381 .0211 .0487
 90.000 .0492 .0381 .0594 .0612 .0737 .2990
 135.000 .0628 .0640 .0563 .0472 .0688
 141.000 .0643 .1677 .0783 .0681 .0696 .0495
 180.000 .0905 .0833 .0783 .0681 .0696 .0980
 186.000 .0643 .1677 .0783 .0681 .0696 .0567
 219.000 .0905 .0833 .0783 .0681 .0696 .0980
 225.000 .0643 .1677 .0783 .0681 .0696 .0567
 270.000 .0905 .0833 .0783 .0681 .0696 .0980
 315.000 .0643 .1677 .0783 .0681 .0696 .0567

ALPHA (3) = 4.044 BETA (2) = -1.986 RN/L = 2.0908 MACH = 2.9974 Q (PSF) = 373.10 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0535 .0705 .0781 .0817 .0828 .0711
 45.000 .0645 .0645 .0548 .0256 .0877
 90.000 .0607 .0527 .0525 .0612 .2391
 135.000 .0551 .0489 .0465 .0476 .0760
 141.000 .0489 .0489 .0465 .0476 .0704
 180.000 .0623 .0922 .0976 .0935 .0862
 186.000 .0623 .0922 .0976 .0935 .0862
 219.000 .0623 .0922 .0976 .0935 .0862
 225.000 .0623 .0922 .0976 .0935 .0862
 270.000 .0623 .0922 .0976 .0935 .0862
 315.000 .0623 .0922 .0976 .0935 .0862

ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH13)

ALPHA (3) = 4.003 BETA (3) = .008 RN/L = 2.0908 MACH = 2.9974 Q(PSF) = 373.10 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0618	.0884	.0903	.0939	.0909	.0777
45.000				.0842			
90.000			.0641	.0656	.0686	.1091	
135.000				.0455	.0394	.0277	
141.000						.1358	
180.000		.0573		.0512	.0515	.0508	
186.000						.0619	
219.000						.0941	
225.000				.0504			
270.000		.0626	.0614	.1595		.0968	
315.000				.0936	.0837	.0826	.0729

ALPHA (3) = 3.956 BETA (4) = 2.017 RN/L = 2.0908 MACH = 2.9974 Q(PSF) = 373.10 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0453	.0745	.0768	.0806	.0787	.0651
45.000				.0897			
90.000			.0809	.0756	.0715	.0772	.1434
135.000				.0434	.0382	.0337	
141.000						.1084	
180.000		.0578	.0540	.0499	.0427		
186.000						.0525	
219.000						.1754	
225.000		.0506	.0544	.0548			
270.000				.1491		.0840	
315.000				.0726	.0613	.0575	.0260

ALPHA (3) = 4.122 BETA (5) = 4.011 RN/L = 2.0908 MACH = 2.9974 Q(PSF) = 373.10 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0237	.0567	.0651	.0713	.0713	.0550
45.000				.0746			
90.000			.0898	.0871	.0865	.0653	.1274
135.000				.0442	.0486		
141.000						.1057	
180.000		.0585	.0617	.0668	.0687		
186.000						.0868	

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(RESH13)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (3) = 4.122 BETA (5) = 4.011

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9450 1.0000

PHI

219.000
225.000
270.000
315.000

.0632
.1391
.0698

.2578
.0822
.0405

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=N) ET BASE (RE5H14) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -4.141 BETA (1) = .011 RN/L = 2.0842 MACH = 2.9974 Q(PSF) = 372.74 PS = 2168.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .0800 - .1047 - .1066 - .1018 - .1124 - .0635
 45.000 - .1066 - .1066 - .1066 - .1066 - .1066 - .1066
 90.000 - .1115 - .1115 - .1115 - .1115 - .1115 - .1258
 135.000 - .1115 - .1115 - .1115 - .1115 - .1115 - .0589
 141.000 - .1092 - .1115 - .1097 - .0729 .2249
 180.000 - .1092 - .1115 - .1097 - .0729 .0871
 186.000 - .1111 - .1111 - .1111 - .1111 - .1111 - .1726
 219.000 - .1005 - .1073 - .1073 - .1073 - .1073 - .1278
 225.000 - .1005 - .1073 - .1073 - .1073 - .1073 - .0063
 270.000 - .1005 - .1073 - .1073 - .1073 - .1073 - .0063
 315.000 - .1005 - .1073 - .1073 - .1073 - .1073 - .0063

ALPHA (2) = .069

BETA (1) = -3.989

RN/L = 2.0860

MACH = 2.9974

Q(PSF) = 372.82

PS = 2169.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .0741 - .0984 - .1003 - .0951 - .0997 - .0735
 45.000 - .1003 - .1003 - .1003 - .1003 - .1003 - .1003
 90.000 - .1034 - .1034 - .1034 - .1034 - .1034 - .1235
 135.000 - .1148 - .1148 - .1148 - .1148 - .1148 - .3037
 141.000 - .1053 - .1079 - .1012 - .0917 .0449
 180.000 - .1053 - .1079 - .1012 - .0917 .0681
 186.000 - .1068 - .1068 - .1068 - .1068 - .1068 - .0419
 219.000 - .0946 - .1064 - .1064 - .1064 - .1064 - .0431
 225.000 - .0946 - .1064 - .1064 - .1064 - .1064 - .0431
 270.000 - .0946 - .1064 - .1064 - .1064 - .1064 - .0431
 315.000 - .0946 - .1064 - .1064 - .1064 - .1064 - .0431

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=N) ET BASE (RESH14)

ALPHA (2) = .022 BETA (2) = .011 RN/L = 2.0860 MACH = 2.9974 Q(PSF) = 372.82 PS = 2169.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000
45.000
90.000
135.000
141.000
180.000
186.000
219.000
225.000
270.000
315.000

-.0787
-.1015
-.1030
-.1079
-.1057
-.1132
-.1160
-.0978
-.0328
-.1076
-.1140
-.0322
-.0965
-.1026
-.0834
-.1073
-.1103
-.0025

ALPHA (2) = -.063 BETA (3) = 4.011 RN/L = 2.0860 MACH = 2.9974 Q(PSF) = 372.82 PS = 2169.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000
45.000
90.000
135.000
141.000
180.000
186.000
219.000
225.000
270.000
315.000

-.0828
-.1037
-.1060
-.1011
-.1014
-.1064
-.1011
-.1109
-.1139
-.0843
-.2768
-.1003
-.0287
-.0995
-.1064
-.0820
-.1055
-.1082
-.0339

ALPHA (3) = 3.959 BETA (1) = .014 RN/L = 2.0846 MACH = 2.9974 Q(PSF) = 372.86 PS = 2169.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000
45.000
90.000
135.000
141.000
180.000
186.000

-.0796
-.0986
-.1009
-.1024
-.1032
-.1009
-.1058
-.0957
-.1097
-.0339
-.1014
-.0813
-.0851
-.1447
-.1006
-.0271

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TABULATED SOURCE DATA - 1A82C

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(RE5H14)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=N)

ALPHA (3) = 3.959 BETA (1) = .014

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.0829

-.1059

.0336

-.0798

-.0944

-.1005

-.1029

-.1086

.0969

.0006

DATE 05 FEB 76

TABULATED SOURCE DATA - 1A82C

PAGE 405

(RESH15) (13 JAN 75)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=N+)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

ALPHA (1) = -3.860 BETA (1) = .014 RN/L = 2.0895 MACH = 2.9974 Q(PSF) = 372.98 PS = 2169.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000
 -.0749
 -.0988
 -.0996
 -.1007
 -.1064
 -.1048
 -.1056
 -.1136
 -.1082
 -.0578
 .2285
 -.0981
 -.1140
 -.1010
 -.0726
 .0877
 .1712
 -.0939
 -.1011
 .0331
 -.0772
 -.0980
 -.1018
 .1272
 .0062

ALPHA (2) =

.012

BETA (1) =

-3.992

RN/L =

2.0834

MACH =

2.9974

Q(PSF) =

372.90

PS =

2169.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000
 -.0709
 -.0941
 -.0960
 -.0967
 -.1002
 -.1040
 -.0999
 -.1007
 -.1085
 -.0878
 -.0083
 .3042
 -.0975
 -.0990
 -.0923
 -.0852
 .0447
 .0675
 -.0895
 -.1002
 -.0979
 .0357
 -.0795
 -.0980
 -.0980
 -.0433

ARC87044 1A82 OTS(SRB=OFF MPS=N+) ET BASE (RESH15)

ALPHA (2) = .078 BETA (2) = .014 RN/L = 2.0834 MACH = 2.9974 Q(PSF) = 372.90 PS = 2169.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0740		-.0956	-.0964	-.0923	-.0999	-.0525
45.000			-.0979				
90.000			-.0971	-.0975	-.0953	-.0965	.1116
135.000			-.1017	-.1017	-.1007	-.0836	
141.000						.1434	
180.000			-.1005	-.1062	-.1105	-.0976	
186.000						.0326	
219.000						.1077	
225.000				-.1066			
270.000		-.0910	-.0979	.0369		.0838	
315.000			-.0772	-.0999	-.1037	-.0027	

ALPHA (2) = .056 BETA (3) = 4.017 RN/L = 2.0834 MACH = 2.9974 Q(PSF) = 372.90 PS = 2169.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0762		-.0960	-.0971	-.0910	-.0952	-.0717
45.000			-.0983				
90.000			-.0929	-.0948	-.0921	-.0937	.0234
135.000			-.0945	-.0945	-.0933	-.0997	
141.000						.1012	
180.000			-.0994	-.0941	-.1046	-.1069	
186.000						.0849	
219.000						.2773	
225.000			-.0941				
270.000		-.0918	-.0979	.0333		.1126	
315.000			-.0743	-.0963	-.1043	.0349	

ALPHA (3) = 3.925 BETA (1) = .008 RN/L = 2.0835 MACH = 2.9974 Q(PSF) = 372.86 PS = 2169.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0738		-.0905	-.0908	-.0883	-.0970	-.0333
45.000			-.0935				
90.000			-.0924	-.0939	-.0925	-.0928	.0831
135.000			-.0762	-.0762	-.0970	-.0830	
141.000						.1480	
180.000			-.0939	-.0992	-.1031	-.0989	
186.000						.0273	

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TABULATED SOURCE DATA - 1A82C

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(RE5H15)

ARC87044 1A82 OTS(SRB=OFF MPS=N+) ET BASE

ALPHA (3) = 3.925 BETA (1) = .008

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI

219.000							.0816
225.000							
270.000							.0968
315.000							-.0007

-.0989

.0383

-.0731

-.0947

-.0978

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TABULATED SOURCE DATA - 1A82C

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(RESH16) (13 JAN 75)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N-

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 SREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -4.053 BETA (1) = .008 RN/L = 2.0857 MACH = 2.9974 Q(PSF) = 373.22 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0191 .0172 .0172 .0196 .0139 -.0024
 45.000 .0149
 90.000 .0153 -.0086 -.0066 -.0028 .1332
 135.000 -.0203 -.0202 -.0194 .2226
 141.000
 180.000 .0039 -.0169 -.0119 -.0137
 186.000 .0894
 219.000 .1702
 225.000
 270.000 .0180 .0172 -.0165
 315.000 .1044 .0298 .0150 .0086 .1262 .0060

ALPHA (2) = -.125 BETA (1) = -3.983 RN/L = 2.0823 MACH = 2.9974 Q(PSF) = 373.26 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0135 .0089 .0082 .0041 -.0054 -.0295
 45.000 .0025
 90.000 -.0203 -.0252 -.0224 -.0209 .1314
 135.000 .0040 .0026 .0219 .3041
 141.000
 180.000 .0093 .0105 .0113 .0117
 186.000 .0489
 219.000 .0693
 225.000 .0108
 270.000 .0199 .0253 .1186 .0337
 315.000 .0216 .0090 .0060 -.0384

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N- MPS=N) (RESH16)

ET BASE

ALPHA (2) = -.003 BETA (2) = .014 RN/L = 2.0823 MACH = 2.9974 Q(PSF) = 373.26 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0176 .0168 .0191 .0198 .0175 -.0025
 45.000 .0153 .0153 .0002 .0009 .0028 .1195
 90.000 .0187 .0002 .0055 -.0044 -.0116 .1373
 135.000 .0115 .0055 .0028 .0016 .0383
 180.000 .0237 .0248 .0289 .0153 .0115 -.0015
 219.000 .0770
 225.000
 270.000
 315.000

ALPHA (2) = .087 BETA (3) = 4.008 RN/L = 2.0823 MACH = 2.9974 Q(PSF) = 373.26 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0109 .0094 .0090 .0122 .0050 -.0166
 45.000 .0246 .0246 .0287 .0274 .0262 .0334
 90.000 .0310 .0101 .0100 -.0029 .1031
 135.000 .0067 .0082 .0100 .0054 .0856
 180.000 .0079 .1035 .1122
 219.000 .0236 .0100 .0028 .0337
 225.000
 270.000
 315.000

ALPHA (3) = 3.906 BETA (1) = .008 RN/L = 2.0792 MACH = 2.9974 Q(PSF) = 373.22 PS = 2169.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0216 .0265 .0284 .0297 .0252 -.0074
 45.000 .0246 .0246 .0114 .0104 .0115 .0851
 90.000 .0231 .0091 -.0055 -.0135 .1394
 135.000 .0133 .0083 .0078 .0411
 180.000

DATE 05 FEB 76

TABULATED SOURCE DATA - 1A82C

PAGE 410

ARC67044 1A82 OTS(SRB=N- MPS=N) ET BASE (RESH16)

ALPHA (3) = 3.906 BETA (1) = .008

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
219.000				.0075			.0840
225.000				.1165			.0942
270.000	.0277	.0277		.0385	.0263	.0244	.0013
315.000							

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RESH17) (13 JAN 75)

ET BASE

MPS=N-

ARC87044 1A82 OTS(SRB=N

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

ALPHA (1) = -3.888 BETA (1) = .008 RN/L = 2.0857 MACH = 2.9974 Q(PSF) = 374.20 PS = 2177.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0553 .0564 .0489 .0483 .0415 .0131
 45.000 .0530 .0530 .0379 .0411 .0396 .1375
 90.000 .0439 .0439 .0489 .0502 .0543 .2240
 135.000 .0477 .0477 .0489 .0509 .0449 .0938
 141.000 .0583 .0568 .0740 .0549 .0611 .1203
 180.000 .0583 .0568 .0740 .0549 .0611 .1203
 186.000 .0583 .0568 .0740 .0549 .0611 .1203
 219.000 .0583 .0568 .0740 .0549 .0611 .1203
 225.000 .0583 .0568 .0740 .0549 .0611 .1203
 270.000 .0583 .0568 .0740 .0549 .0611 .1203
 315.000 .0583 .0568 .0740 .0549 .0611 .1203

ALPHA (2) = .072

BETA (1) = -3.989

RN/L = 2.0842

MACH = 2.9974

Q(PSF) = 374.20

PS = 2177.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0528 .0490 .0517 .0508 .0459 .0213
 45.000 .0482 .0482 .0482 .0482 .0482 .0482
 90.000 .0172 .0172 .0085 .0111 .0134 .1366
 135.000 .0433 .0433 .0417 .0417 .0515 .3090
 141.000 .0535 .0535 .0558 .0549 .0527 .0676
 180.000 .0535 .0535 .0558 .0549 .0527 .0676
 186.000 .0535 .0535 .0558 .0549 .0527 .0676
 219.000 .0535 .0535 .0558 .0549 .0527 .0676
 225.000 .0535 .0535 .0558 .0549 .0527 .0676
 270.000 .0676 .0660 .0573 .0573 .0573 .0392
 315.000 .0676 .0660 .0573 .0573 .0573 .0392

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N-) ET BASE (RE5H17)

ALPHA (2) = .112 BETA (2) = .014 RN/L = 2.0842 MACH = 2.9974 Q(PSF) = 374.20 PS = 2177.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0458 .0682 .0625 .0655 .0602 .0413
 45.000 .0655 .0655
 90.000 .0458 .0492 .0519 .0523 .1287
 135.000 .0311 .0251 .0103
 141.000 .1374
 180.000 .0390 .0318 .0289 .0243
 185.000 .0436
 219.000 .1072
 225.000 .0322
 270.000 .0477 .0443 .0777
 315.000 .0757 .0629 .0595 .0311

ALPHA (2) = .087 BETA (3) = 4.011 RN/L = 2.0842 MACH = 2.9974 Q(PSF) = 374.20 PS = 2177.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0339 .0535 .0535 .0576 .0542 .0232
 45.000 .0611 .0611
 90.000 .0740 .0674 .0633 .0568
 135.000 .0327 .0379 .0349 .1005
 141.000
 180.000 .0392 .0359 .0398 .0383
 185.000 .0918
 219.000 .2719
 225.000 .0373
 270.000 .0376 .1302 .1126
 315.000 .0618 .0508 .0444 .0332

ALPHA (3) = 4.009 BETA (1) = .011 RN/L = 2.0892 MACH = 2.9974 Q(PSF) = 374.20 PS = 2177.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0672 .0793 .0793 .0824 .0794 .0711
 45.000 .0800 .0800
 90.000 .0676 .0683 .0707 .0685 .1055
 135.000 .0517 .0462 .0352
 141.000 .1436
 180.000 .0623 .0585 .0590 .0583
 185.000 .0706

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RESH17)

ET BASE

MPS=N-

ARC87044 1A82 OTS(SRB=N

ALPHA (3) = 4.009 BETA (1) = .011

SECTION: (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000
225.000
270.000
315.000

.0683 .0672 .0589 .0971
.0893 .0802 .0790 .0956
.0317

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RESH18) (13 JAN 75)

ET BASE

MPS=N+)

ARC87044 1A82 OTS(SRB=N

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

ALPHA (1) = -3.919 BETA (1) = .011 RN/L = 2.0834 MACH = 2.9974 Q(PSF) = 374.20 P5 = 2177.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0461 .0665 .0548 .0540 .0472 .0208
 45.000 .0639 .0639 .0639 .0639 .0639 .0639
 90.000 .0506 .0506 .0461 .0472 .0476 .1387
 135.000 .0222 .0222 .0212 .0212 .0230 .2220
 141.000 .0320 .0320 .0252 .0287 .0242 .0891
 180.000 .0252 .0252 .0252 .0252 .0252 .1671
 186.000 .0252 .0252 .0252 .0252 .0252 .1259
 219.000 .0502 .0468 .0468 .0468 .0468 .0164
 225.000 .0252 .0252 .0252 .0252 .0252 .1259
 270.000 .0745 .0745 .0745 .0745 .0745 .0164
 315.000 .0745 .0745 .0745 .0745 .0745 .0164

ALPHA (2) = .075 BETA (1) = -3.989 RN/L = 2.0816 MACH = 2.9974 Q(PSF) = 373.83 P5 = 2174.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0518 .0586 .0613 .0635 .0639 .0404
 45.000 .0522 .0522 .0522 .0522 .0522 .0522
 90.000 .0321 .0321 .0321 .0321 .0321 .0321
 135.000 .0381 .0381 .0381 .0381 .0381 .0381
 141.000 .0465 .0465 .0465 .0465 .0465 .0465
 180.000 .0427 .0427 .0427 .0427 .0427 .0427
 186.000 .0623 .0623 .0623 .0623 .0623 .0623
 219.000 .0570 .0570 .0570 .0570 .0570 .0570
 225.000 .0435 .0435 .0435 .0435 .0435 .0435
 270.000 .0730 .0806 .0806 .0806 .0806 .0806
 315.000 .0771 .0623 .0650 .0650 .0650 .0650

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N+) ET BASE (RE5H18)

ALPHA (2) = .087 BETA (2) = .011 RN/L = 2.0816 MACH = 2.9974 Q(PSF) = 373.83 PS = 2174.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0692	.0647	.0669	.0608	.0438
45.000	.0643	.0643	.0495	.0502	.1305
90.000	.0454	.0472	.0279	.0154	.1367
135.000		.0328	.0340	.0298	.0450
141.000					.1064
180.000	.0423	.0355			.0769
186.000					.0341
219.000		.0359			
225.000	.0529	.0499	.0612	.0597	
270.000		.0733			
315.000					

ALPHA (2) = -.047 BETA (3) = 4.008 RN/L = 2.0816 MACH = 2.9974 Q(PSF) = 373.83 PS = 2174.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0665	.0669	.0712	.0666	.0281
45.000	.0718	.0718	.0727	.0662	.0617
90.000	.0692	.0707	.0451	.0413	.1012
135.000		.0393	.0436	.0417	.0929
141.000					.2723
180.000	.0427	.0404			.1144
186.000					.0357
219.000		.0412			
225.000	.0404	.0431	.0606	.0560	
270.000		.0704			
315.000					

ALPHA (3) = 3.922 BETA (1) = .014 RN/L = 2.0820 MACH = 2.9974 Q(PSF) = 373.83 PS = 2174.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0688	.0884	.0928	.0902	.0762
45.000	.0819	.0819	.0705	.0595	.1068
90.000	.0660	.0732	.0478	.0338	.1385
135.000		.0501	.0542	.0542	.0674
141.000					
180.000	.0592	.0528			
186.000					

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RESH18)

ET BASE

MPS=N+

ARC87044 1A82 OTS(SRB=N

ALPHA (3) = 3.922 BETA (1) = .014

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.0950

.0535

.1559

.0924

.0999

.0822

.0815

.0711

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

PAGE 417

ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RE5H19) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

ALPHA (1) = -4.294 BETA (1) = -4.086 RN/L = 1.6969 MACH = 3.4978 Q(PSF) = 244.07 PS = 2168.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0535		-.0883	-.0924	-.0803	-.0919	-.0762
45.000			-.0918				
90.000			-.0906		-.0872	-.0919	.2116
135.000				-.0895	-.0589	-.0033	
141.000				-.0889			.3432
180.000			-.0976	-.0883	-.0878	-.0554	
193.000							.0756
219.000							.0832
235.000							.1110
270.000		-.0819	-.0935		-.0496	-.0924	-.0861
315.000							-.0335

ALPHA (1) = -4.356 BETA (2) = -2.083 RN/L = 1.6969 MACH = 3.4978 Q(PSF) = 244.07 PS = 2168.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0593		-.0889	-.0918	-.0811	-.0927	-.0713
45.000			-.0912				
90.000			-.0924	-.0895	-.0887	-.0927	.1785
135.000				-.0883	-.0776	-.0382	
141.000				-.0883			.2872
180.000			-.0976	-.0871	-.0832	-.0661	
193.000							.0881
219.000							.1073
235.000							.1653
270.000		-.0836	-.0935		-.0927	-.0852	-.0106
315.000							

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH19)

ALPHA (1) = -4.212 BETA (3) = -.086 RN/L = 1.6969 MACH = 3.4978 Q(PSF) = 244.07 PS = 2168.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .0722 -.0949 -.1036 -.0818 -.0927 -.0609
 45.000 -.1025 -.1025 -.0887 -.0910 .1411
 90.000 -.1025 -.1001 -.0777 -.0459 .2404
 135.000 .141.000 -.1089 -.0990 -.0841 -.0592 .0821
 180.000 .186.000 -.0984 .1341 .1819
 219.000 -.0745 -.1054 -.0482 -.0916 -.0806 .0038
 225.000
 270.000
 315.000

ALPHA (1) = -4.262 BETA (4) = 1.917 RN/L = 1.6969 MACH = 3.4978 Q(PSF) = 244.07 PS = 2168.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .0633 -.0895 -.0929 -.0837 -.0970 -.0715
 45.000 -.0924 -.0924 -.0900 -.0883 -.0912 .0937
 90.000 -.0895 -.0889 -.0878 -.0727 .1822
 135.000 .141.000 -.0924 -.0883 -.0941 -.0860 .0841
 180.000 .186.000 -.0877 .1320 .1660
 219.000 -.0842 -.0929 -.0512 -.0970 -.0837 .0179
 225.000
 270.000
 315.000

ALPHA (1) = -4.141 BETA (5) = 3.917 RN/L = 1.6969 MACH = 3.4978 Q(PSF) = 244.07 PS = 2168.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .0626 -.0886 -.0927 -.0771 -.0881 -.0690
 45.000 -.0927 -.0927 -.0915 -.0852 .0404
 90.000 -.0892 -.0875 -.0823 -.0748 .1583
 135.000 .141.000 -.0904 -.0863 -.0852 -.0858 .1039
 180.000

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TABULATED SOURCE DATA - 1A82C

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(RESH19)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (1) = -4.141 BETA (5) = 3.917

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
219.000							.2035
225.000							
270.000							.1838
315.000							.0413

ALPHA (2) = -.204 BETA (1) = -4.089 RN/L = 1.6798 MACH = 3.4978 Q(PSF) = 244.31 PS = 2169.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000							
45.000							
90.000							
135.000							
141.000							
180.000							
186.000							
219.000							
225.000							
270.000							
315.000							

ALPHA (2) = -.206 BETA (2) = -2.089 RN/L = 1.6798 MACH = 3.4978 Q(PSF) = 244.31 PS = 2169.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000							
45.000							
90.000							
135.000							
141.000							
180.000							
186.000							
219.000							
225.000							
270.000							
315.000							

ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH19)

ALPHA (2) = -.181 BETA (3) = -.083 RN/L = 1.6798 MACH = 3.4978 Q(PSF) = 244.31 PS = 2169.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0646 -.0825 -.0837 -.0763 -.0907 -.0479
 45.000 -.0831 -.0831 -.0849 -.0884 .1222
 90.000 -.0825 -.0825 -.0838 -.0687 .2018
 135.000 -.0825 -.0825 -.0838 -.0687 .2018
 141.000 -.0825 -.0825 -.0838 -.0687 .2018
 180.000 -.0918 -.0814 -.0919 -.0774 .0337
 186.000 -.0849 -.0849 -.0849 -.0849 .0650
 219.000 -.0849 -.0849 -.0849 -.0849 .1612
 225.000 -.0889 -.0889 -.0889 -.0889 .1612
 270.000 -.0814 -.0889 -.0889 -.0889 -.0028
 315.000 -.0814 -.0889 -.0889 -.0889 -.0028

ALPHA (2) = -.231 BETA (4) = 1.917 RN/L = 1.6798 MACH = 3.4978 Q(PSF) = 244.31 PS = 2169.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0686 -.0878 -.0901 -.0806 -.0939 -.0598
 45.000 -.0889 -.0889 -.0889 -.0889 -.0889 .0837
 90.000 -.0878 -.0878 -.0878 -.0878 -.0878 .1526
 135.000 -.0878 -.0878 -.0878 -.0878 -.0878 .0373
 141.000 -.0918 -.0872 -.0933 -.0933 -.0933 .1294
 180.000 -.0872 -.0872 -.0872 -.0872 -.0872 .1364
 186.000 -.0860 -.0860 -.0860 -.0860 -.0860 .0107
 219.000 -.0843 -.0907 -.0907 -.0945 -.0945 .1364
 225.000 -.0843 -.0907 -.0907 -.0945 -.0945 .0107
 270.000 -.0843 -.0907 -.0907 -.0945 -.0945 .1364
 315.000 -.0843 -.0907 -.0907 -.0945 -.0945 .0107

ALPHA (2) = -.197 BETA (5) = 3.914 RN/L = 1.6798 MACH = 3.4978 Q(PSF) = 244.31 PS = 2169.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0700 -.0904 -.0921 -.0809 -.0942 -.0652
 45.000 -.0904 -.0904 -.0904 -.0904 -.0904 .0181
 90.000 -.0909 -.0909 -.0909 -.0909 -.0909 .1418
 135.000 -.0898 -.0898 -.0898 -.0898 -.0898 .0618
 141.000 -.0898 -.0898 -.0898 -.0898 -.0898 .0618
 180.000 -.0921 -.0875 -.0907 -.0907 -.0948 .0618
 186.000 -.0921 -.0875 -.0907 -.0907 -.0948 .0618

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TABULATED SOURCE DATA - 1A82C

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(RESH19)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (2) = -.197 BETA (5) = 3.914

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .1830

225.000 -.0869

270.000 .1322

315.000 -.0502 -.0953 -.0832 .0259

ALPHA (3) = 3.715 BETA (1) = -4.083 RN/L = 1.6695 MACH = 3.4978 Q(PSF) = 244.27 PS = 2168.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 -.0637

45.000 -.0840

90.000 -.0845

135.000 -.0898

141.000 -.0834

180.000 -.0956

186.000 -.0822

219.000 -.0817

225.000 -.0892

270.000 .1386

315.000 -.0436

ALPHA (3) = 3.662 BETA (2) = -2.086 RN/L = 1.6695 MACH = 3.4978 Q(PSF) = 244.27 PS = 2168.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 -.0669

45.000 -.0925

90.000 -.0843

135.000 -.0860

141.000 -.0825

180.000 -.0935

186.000 -.0819

219.000 -.0814

225.000 -.0877

270.000 .1380

315.000 -.0444

ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH19)

ALPHA (3) = 3.716 BETA (3) = -.086 RN/L = 1.6695 MACH = 3.4978 Q(PSF) = 244.27 PS = 2168.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0672 -.0822 -.0822 -.0719 -.0881 -.0314
 45.000 -.0822 -.0822
 90.000 -.0875 -.0817 -.0823 -.0864 .0583
 135.000 -.0811 -.0870 -.0754 .1734
 141.000
 180.000 -.0904 -.0805 -.0933 -.0829
 186.000 .0151
 219.000 .0476
 225.000 -.0805
 270.000 -.0822 -.0886 .1375
 315.000 -.0418 -.0852 -.0870 -.0040

ALPHA (3) = 3.681 BETA (4) = 1.911 RN/L = 1.6695 MACH = 3.4978 Q(PSF) = 244.27 PS = 2168.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0674 -.0843 -.0866 -.0809 -.0930 -.0438
 45.000 -.0866
 90.000 -.0848 -.0854 -.0849 -.0884 .0935
 135.000 -.0843 -.0919 -.0884 .1445
 141.000
 180.000 -.0872 -.0837 -.0919 -.0924
 186.000 .0198
 219.000 .1057
 225.000 -.0831
 270.000 -.0808 -.0860 .1340
 315.000 -.0478 -.0924 -.0878 .0900
 .0094

ALPHA (3) = 3.765 BETA (5) = 3.914 RN/L = 1.6695 MACH = 3.4978 Q(PSF) = 244.27 PS = 2168.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0706 -.0851 -.0869 -.0760 -.0904 -.0453
 45.000 -.0863
 90.000 -.0845 -.0845 -.0800 -.0841 .0554
 135.000 -.0840 -.0806 -.0841 .1263
 141.000
 180.000 -.0886 -.0834 -.0881 -.0904
 186.000 .0364

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TABULATED SOURCE DATA - 1A82C

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(RESH19)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (3) = 3.765 BETA (5) = 3.914

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI

219.000							.1593
225.000				-.0828			
270.000				.1359			.0845
315.000	-.0834	-.0892		-.0465	-.0916	-.0794	.0259

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(RESH20) (13 JAN 75)

ET BASE

MPS=N

ARC87044 JA82 OTS(SRB=N

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

ALPHA (1) = -4.213 BETA (1) = -4.086 RN/L = 1.6571 MACH = 3.4978 Q(PSF) = 245.58 PS = 2180.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0971		.0804	.0833	.0825	.0750	.0503
.000				.0856			
45.000			.0446	.0371	.0434	.0486	.2292
90.000				.0792	.0814	.0773	
135.000							.3517
141.000			.0827	.0821	.0768	.0750	
180.000							.1068
186.000							.0861
219.000				.0833			
225.000		.1098	.1224	.2884			.1241
270.000				.1096	.0796	.0750	.0388
315.000							

ALPHA (1) = -4.150 BETA (2) = -2.089 RN/L = 1.6571 MACH = 3.4978 Q(PSF) = 245.58 PS = 2180.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0809		.0665	.0619	.0584	.0526	.0451
.000				.0752			
45.000			.0492	.0469	.0503	.0538	.1579
90.000				.0452	.0773	.0750	
135.000							.2933
141.000			.0717	.0740	.0802	.0699	
180.000							.1112
186.000							.1094
219.000				.0746			
225.000		.1075	.1184	.2832			.1313
270.000				.1119	.0837	.0785	.0558
315.000							

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TABULATED SOURCE DATA - 1AB2C

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ALPHA (1) = -4.287 BETA (3) = -.086 RN/L = 1.6571 MACH = 3.4978 Q(PSF) = 245.58 PS = 2180.5
 (RESH20)

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0931	.0677	.0562	.0582	.0553	.0530
45.000				.0770			
90.000			.0718	.0793	.0783	.0743	.0956
135.000				.0799	.0875	.0783	.2590
141.000							.1121
180.000			.0827	.0804	.0875	.0852	.1368
186.000							
219.000				.0810			.1092
225.000		.0804	.0770	.2498	.0864	.0806	.0648
270.000				.1054			
315.000							

ALPHA (1) = -4.172 BETA (4) = 1.917 RN/L = 1.6571 MACH = 3.4978 Q(PSF) = 245.58 PS = 2180.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0751	.0578	.0497	.0551	.0517	.0459
45.000				.0814			
90.000			.0999	.1022	.0977	.0995	.0983
135.000				.1034	.0753	.0620	.2096
141.000							.1006
180.000			.0757	.1034	.0661	.0580	.1710
186.000							
219.000				.1034			.1237
225.000		.0555	.0532	.2273	.0782	.0730	.0683
270.000				.0989			
315.000							

ALPHA (1) = -4.272 BETA (5) = 3.914 RN/L = 1.6571 MACH = 3.4978 Q(PSF) = 245.58 PS = 2180.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0852	.0772	.0783	.0851	.0788	.0558
45.000				.0800			
90.000			.0910	.0812	.0949	.0949	.0742
135.000				.0818	.0742	.0650	.1996
141.000							.1183
180.000			.0783	.0823	.0575	.0466	
186.000							

(RESH20)

ET BASE

TABULATED SOURCE DATA - 1A82C
ARCB7044 1A82 OTS(SRB=N) MPS=N

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BETA (5) = 3.914

ALPHA (1) = -4.272

SECTION (1) ET BASE

R/ROD .0000

PHI .000

219.000

225.000

270.000

315.000

ALPHA (2) = -.147

SECTION (1) ET BASE

R/ROD .0000

PHI .0851

45.000

90.000

135.000

141.000

180.000

185.000

219.000

225.000

270.000

315.000

ALPHA (2) = -.188

SECTION (1) ET BASE

R/ROD .0000

PHI .0746

45.000

90.000

135.000

141.000

180.000

185.000

219.000

225.000

270.000

315.000

BETA (5) = 3.914

SECTION (1) ET BASE

R/ROD .0000

PHI .0835

2278 .0278

.0990 .0771 .0696

.0639 .0587 .0771 .0696

BETA (1) = -4.086 RN/L = 1.6533

SECTION (1) ET BASE

R/ROD .0000

PHI .0874

.0937 .0966 .0920 .0563

.0874 .0937 .0966 .0920 .0563

.0724 .0833 .0793 .0667 .0538

.0833 .0845 .0851 .0891 .0851

.1260 .1178 .0891 .0851 .0851

.1099 .1260 .1178 .0891 .0851

BETA (2) = -2.089 RN/L = 1.5533

SECTION (1) ET BASE

R/ROD .0000

PHI .0613

.0659 .0617 .0617 .0617

.0631 .0789 .0755 .0726

.0780 .0780 .0780 .0780

.1103 .1236 .0715 .0703

.0780 .0780 .0780 .0780

.0780 .0780 .0780 .0780

.0780 .0780 .0780 .0780

.0780 .0780 .0780 .0780

.0780 .0780 .0780 .0780

PS = 2180.4

PS

Q(PSF) = 245.57

MACH = 3.4978

RN/L = 1.6533

DEPENDENT VARIABLE CP

DEPENDENT VARIABLE CP

DEPENDENT VARIABLE CP

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DEPENDENT VARIABLE CP

PS = 2180.4

PS

Q(PSF) = 245.57

MACH = 3.4978

RN/L = 1.5533

DEPENDENT VARIABLE CP

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DEPENDENT VARIABLE CP

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH20)

ALPHA (2) = -.031 BETA (3) = -.089 RN/L = 1.6533 MACH = 3.4978 Q(PSF) = 245.57 PS = 2180.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0562	.0683	.0545	.0545	.0482	.0476
45.000				.0683			
90.000			.0528	.0562	.0545	.0545	.1029
135.000				.0458	.0401	.0275	.1960
141.000							
180.000			.0493	.0458	.0488	.0470	.0663
186.000							.0755
219.000				.0458			.1441
225.000			.0683	.0660	.1017	.0776	.0712
270.000							.0645
315.000							

ALPHA (2) = -.122 BETA (4) = 1.914 RN/L = 1.6533 MACH = 3.4978 Q(PSF) = 245.57 PS = 2180.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0654	.0539	.0487	.0535	.0478	.0420
45.000				.0677			
90.000			.1103	.1086	.1059	.1030	.1162
135.000				.0694	.0610	.0535	.1691
141.000							
180.000			.0781	.0671	.0736	.0708	.0694
186.000							.1369
219.000				.0671			.1547
225.000			.0539	.0573	.2301		.0683
270.000		.0539		.0972	.0754	.0690	
315.000							

ALPHA (2) = -.278 BETA (5) = 3.911 RN/L = 1.6533 MACH = 3.4978 Q(PSF) = 245.57 PS = 2180.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0706	.0665	.0671	.0731	.0697	.0461
45.000				.0781			
90.000			.1023	.1086	.1065	.1065	.0766
135.000				.0758	.0731	.0651	.1731
141.000							
180.000			.0763	.0740	.0691	.0668	.0889
186.000							

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(RESH20)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (2) = -.278 BETA (5) = 3.911

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
219.000							.1892
225.000				.0740			
270.000	.0567	.0562		.2256			.1126
315.000				.0939	.0731	.0685	.0532

ALPHA (3) = 3.887 BETA (1) = -4.089 RN/L = 1.6510 MACH = 3.4978 Q(PSF) = 245.63 PS = 2180.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0936		.1023	.1023	.1036	.0978	.0777
45.000			.1017				
90.000			.0965	.0965	.0995	.0944	.0880
135.000			.0971	.0971	.0984	.0995	.2887
141.000							
180.000		.0965	.0971	.0817	.0731		.0854
186.000							.0772
219.000				.0971			
225.000	.1115	.1190		.2802			.1071
270.000			.1260	.1001	.0961		.0749
315.000							

ALPHA (3) = 3.881 BETA (2) = -2.092 RN/L = 1.6510 MACH = 3.4978 Q(PSF) = 245.63 PS = 2180.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0931		.1040	.1040	.1055	.1009	.0831
45.000			.0988	.0988			
90.000		.0977	.0977	.1003	.0969	.0722	
135.000			.0994	.0992	.0842		.2309
141.000							
180.000		.1011	.0994	.1032	.1003		.1099
186.000							.0851
219.000				.0994			.1548
225.000	.1132	.1190		.2752			.0886
270.000			.1308	.1101	.1078		
315.000							

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RE5H20)

ALPHA (3) = 3.794 BETA (3) = -.060 RN/L = 1.6510 MACH = 3.4978 Q(PSF) = 245.63 PS = 2180.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.9450	1.0000
PHI						
.000	.1105	.1071	.1042	.1047	.0972	.0668
45.000			.1105	.1105	.1099	.0811
90.000			.1117	.1099	.1070	.0811
135.000			.1099	.1042	.0898	.1977
141.000			.1083	.1094	.1042	.1108
180.000				.1059		.0969
186.000						.1372
219.000						.0745
225.000						
270.000	.1128	.1088		.1099	.1059	
315.000				.1272	.1093	

ALPHA (3) = 3.966 BETA (4) = 1.914 RN/L = 1.6510 MACH = 3.4978 Q(PSF) = 245.63 PS = 2180.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0940	.0986	.0963	.1009	.0946	.0727	
45.000			.1061	.1061	.1078	.1533	
90.000			.1205	.1147	.1061	.0998	
135.000			.1055	.1055	.1061	.1941	
141.000				.1049	.1101	.1071	
180.000			.1072			.1261	
186.000						.1008	
219.000				.1049		.0460	
225.000			.0917	.2562			
270.000	.0928	.0917		.1162	.1009	.0986	
315.000							

ALPHA (3) = 3.856 BETA (5) = 3.920 RN/L = 1.6510 MACH = 3.4978 Q(PSF) = 245.63 PS = 2180.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0956	.0950	.0933	.0933	.0931	.0690	
45.000			.1008	.1008	.1012	.1564	
90.000			.1146	.1054	.0983	.0874	
135.000			.0950	.0943	.0943	.1885	
141.000				.1022	.1035	.1018	
180.000						.0981	
186.000							

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TABULATED SOURCE DATA - 1A82C

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(RE5H20)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (3) = 3.955 BETA (5) = 3.920

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.1643

.0950

.2547

.1179

.0975

.0949

.1000

.0416

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=N+) ET BASE (RESH21) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -3.991 BETA (1) = -.083 RN/L = 1.6508 MACH = 3.4978 Q(PSF) = 245.13 PS = 2177.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0486		-.0682	-.0700	-.0611	-.0721	-.0583
45.000			-.0705	-.0729	-.0692	-.0721	.1378
90.000			-.0717	-.0729	-.0692	-.0721	.1378
135.000			-.0821	-.0727	-.0415		.2429
141.000			-.0752	-.0827	-.0779	-.0588	.0830
180.000				-.0827	-.0779	-.0588	.1194
186.000				-.0827	-.0779	-.0588	.1846
219.000				-.0827	-.0779	-.0588	.0056
225.000				-.0827	-.0779	-.0588	
270.000				-.0827	-.0779	-.0588	
315.000				-.0827	-.0779	-.0588	

ALPHA (2) =

- .194

BETA (1) =

-4.080

RN/L = 1.6463

MACH =

3.4978

Q(PSF) =

245.28

PS = 2177.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0440		-.0655	-.0682	-.0620	-.0701	-.0620
45.000			-.0746	-.0740	-.0724	-.0741	.1133
90.000			-.0746	-.0740	-.0724	-.0741	.1133
135.000			-.0786	-.0786	-.0701	-.0159	.3040
141.000			-.0729	-.0786	-.0712	-.0660	.0443
180.000				-.0786	-.0712	-.0660	.0529
186.000				-.0786	-.0712	-.0660	.0795
219.000				-.0786	-.0712	-.0660	.0394
225.000				-.0786	-.0712	-.0660	
270.000				-.0786	-.0712	-.0660	
315.000				-.0786	-.0712	-.0660	

(RE5H21)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=N+)

ALPHA (2) = -.225 BETA (2) = -.089 RN/L = 1.6463 MACH = 3.4978 Q(PSF) = 245.28 PS = 2177.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0512		-.0628	-.0639	-.0557	-.0649	-.0436
45.000			-.0651	-.0551			
90.000				-.0662	-.0632	-.0649	.1189
135.000				-.0703	-.0701	-.0638	.2031
141.000							
180.000				-.0703	-.0697	-.0770	-.0741
186.000							.0346
219.000							.0669
225.000				-.0697			
270.000			-.0628	-.0691	.1495		.1633
315.000				-.0269	-.0655	-.0684	-.0011

ALPHA (2) = -.097 BETA (3) = 3.914 RN/L = 1.6463 MACH = 3.4978 Q(PSF) = 245.28 PS = 2177.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0518		-.0645	-.0663	-.0575	-.0649	-.0609
45.000				-.0674			
90.000			-.0645	-.0657	-.0615	-.0632	.0168
135.000				-.0680	-.0667	-.0730	.1451
141.000							
180.000			-.0715	-.0686	-.0701	-.0742	.0649
186.000							.1866
219.000				-.0680			
225.000				-.1481			.1122
270.000		-.0628	-.0686	-.0287	-.0667	-.0742	.0297
315.000							

ALPHA (3) = 3.875 BETA (1) = -.086 RN/L = 1.6463 MACH = 3.4978 Q(PSF) = 245.21 PS = 2177.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0501		-.0576	-.0593	-.0499	-.0609	-.0240
45.000				-.0581			
90.000			-.0610	-.0616	-.0586	-.0603	.0567
135.000				-.0691	-.0678	-.0655	.1768
141.000							
180.000			-.0674	-.0703	-.0701	-.0718	.0174
186.000							

(RESH21)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=N+)

TABULATED SOURCE DATA - 1A82C

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ALPHA (3) = 3.875 BETA (1) = -.086

SECTION (1) ET BASE DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
219.000							.0498
225.000				-.0691			
270.000			-.0581	-.0645	.1529		.1144
315.000				-.0223	-.0597	-.0626	-.0022

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TABULATED SOURCE DATA - 1A82C

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(RESH22) (13 JAN 75)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=N)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -4.212 BETA (1) = -.086 RN/L = 1.6377 MACH = 3.4978 Q(PSF) = 244.89 PS = 2173.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
	-.0549	-.0763	-.0774	-.0709	-.0841	-.0633	
45.000			-.0780				
90.000		-.0797	-.0797	-.0801	-.0824	.1342	
135.000			-.0861	-.0760	-.0460		
141.000						.2434	
180.000		-.0844	-.0873	-.0859	-.0610		
186.000					.0821		
219.000				-.0867	.1185		
225.000		-.0717	-.0792	.1423	.1792		
270.000			-.0397	-.0807	-.0818	.0035	
315.000							

ALPHA (2) = -.100 BETA (1) = -.4.089 RN/L = 1.6431

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
	-.0489	-.0703	-.0720	-.0638	-.0724	-.0603	
45.000			-.0737				
90.000		-.0761	-.0778	-.0747	-.0764	.1143	
135.000			-.0836	-.0678	-.0148		
141.000						.2982	
180.000		-.0772	-.0836	-.0747	-.0661		
186.000					.0443		
219.000				-.0824	.0518		
225.000		-.0668	-.0749	.1454	.0783		
270.000			-.0361	-.0747	-.0753	-.0406	
315.000							

MACH = 3.4978 Q(PSF) = 245.13 PS = 2176.5

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TABULATED SOURCE DATA - 1AB2C

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ARC87044 1AB2 OTS(SRB=OFF MPS=N) (RESH22)

ALPHA (2) = -.216 BETA (2) = -.083 RN/L = 1.6431 MACH = 3.4978 Q(PSF) = 245.13 PS = 2176.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0558 -.0708 -.0714 -.0643 -.0770 -.0470
 45.000 -.0720
 90.000 -.0743 -.0724 -.0747 .1179
 135.000 -.0783 -.0787 -.0678 .2044
 141.000
 180.000 -.0789 -.0783 -.0879 -.0770
 186.000
 219.000
 225.000 -.0772
 270.000 -.0703 -.0760
 315.000 -.0343 -.0758 -.0793 -.0005

ALPHA (2) = -.294 BETA (3) = 3.917 RN/L = 1.6431 MACH = 3.4978 Q(PSF) = 245.13 PS = 2176.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0601 -.0746 -.0769 -.0675 -.0767 -.0628
 45.000 -.0780
 90.000 -.0740 -.0757 -.0709 -.0732 .0162
 135.000 -.0757 -.0732 -.0813 .1458
 141.000
 180.000 -.0780 -.0757 -.0778 -.0819
 186.000 .0637
 219.000 .1850
 225.000 -.0751
 270.000 -.0723 -.0780 .1442 .1099
 315.000 -.0375 -.0784 -.0784 .0285

ALPHA (3) = 3.785 BETA (1) = -.086 RN/L = 1.6401 MACH = 3.4978 Q(PSF) = 245.28 PS = 2177.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0567 -.0671 -.0677 -.0597 -.0730 -.0274
 45.000 -.0677
 90.000 -.0706 -.0711 -.0684 -.0707 .0509
 135.000
 141.000 -.0711 -.0770 -.0707 .1772
 180.000 -.0746 -.0711 -.0810 -.0810
 186.000 .0168

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TABULATED SOURCE DATA - 1A82C

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(RES422)

ET BASE

ARC87044 1A82 OTS(SRB-OFF MPS-N)

ALPHA (3) = 3.785 BETA (1) = -.086

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9450 1.0000

PHI

219.000

225.000

270.000

315.000

.0491

-.0700

.1466

-.0309

.1120

-.0741

-.0016

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N- MPS=N) ET BASE (RE5H23) (13 JAN 75)

REFERENCE DATA

SREF = 2690.000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -4.200 BETA (1) = -.086 RN/L = 1.6365 MACH = 3.4978 Q(PSF) = 245.28 PS = 2178.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0221	.0158	.0077	.0092	.0040	.0000	
.000							
45.000							
90.000							
135.000							
141.000							
180.000							
186.000							
219.000							
225.000							
270.000							
315.000							

ALPHA (2) = -.266 BETA (1) = -4.083 RN/L = 1.6381 MACH = 3.4978 Q(PSF) = 245.23 PS = 2177.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0381	.0427	.0444	.0482	.0436	.0275	
.000							
45.000							
90.000							
135.000							
141.000							
180.000							
186.000							
219.000							
225.000							
270.000							
315.000							

ARC87044 1A82 OTS(SRB=N- MPS=N) ET BASE (RESH23)

ALPHA (2) = -.022 BETA (2) = -.086 RN/L = 1.6381 MACH = 3.4978 Q(PSF) = 245.23 PS = 2177.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0340	.0537	.0525	.0552	.0483	.0315
45.000		.0473				
90.000		.0346	.0346	.0350	.0362	.1256
135.000			.0225	.0142	.0062	.1945
141.000						
180.000		.0288	.0213	.0206	.0188	.0461
186.000						.0704
219.000			.0213			
225.000			.2122			.1599
270.000	.0392	.0358		.0437	.0396	.0259
315.000			.0691			

ALPHA (2) = -.247 BETA (3) = 3.914 RN/L = 1.6381 MACH = 3.4978 Q(PSF) = 245.23 PS = 2177.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0221	.0440	.0452	.0509	.0446	.0210
45.000			.0463			
90.000		.0434	.0423	.0446	.0429	.0348
135.000			.0198	.0181	.0175	
141.000						.1409
180.000		.0232	.0169	.0181	.0129	.0659
186.000						.1842
219.000			.0175			
225.000			.2094			.1092
270.000	.0227	.0227	.0607	.0359	.0331	.0272
315.000						

ALPHA (3) = 3.728 BETA (1) = -.086 RN/L = 1.6365 MACH = 3.4978 Q(PSF) = 245.28 PS = 2177.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0443	.0720	.0761	.0824	.0773	.0640
45.000			.0657			
90.000		.0518	.0530	.0559	.0467	.0715
135.000			.0432	.0375	.0236	.1805
141.000						
180.000		.0461	.0432	.0438	.0415	.0598
186.000						

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TABULATED SOURCE DATA - 1A82C

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(RE5H23)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N-

ALPHA (3) = 3.728 BETA (1) = -.086

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9450	1.0000
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PHI

219.000							.0639
225.000			.0432				
270.000	.0501	.0489	.2283			.1216	
315.000			.0934	.0709	.0715	.0535	

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TABULATED SOURCE DATA - 1A82C

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(RESH24) (13 JAN 75)

ET BASE

MPS=N-

ARC87044 1A82 OTS(SRB=N

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -4.087 BETA (1) = -.086 RN/L = 1.6387 MACH = 3.4978 Q(PSF) = 245.84 PS = 2181.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0877 .0595 .0532 .0563 .0523 .0436
 45.000 .0728 .0724 .0781 .0741 .0937
 90.000 .0722 .0900 .0942 .0856 .2497
 135.000 .0895 .0918 .0919 .0896 .1144
 180.000 .0918 .0919 .0896 .1144 .1282
 219.000 .0918 .0919 .0896 .1144 .1282
 270.000 .0728 .0705 .0988 .0793 .0741 .1155
 315.000 .0728 .0705 .0988 .0793 .0741 .1155

ALPHA (2) = -.075 BETA (1) = -4.083 RN/L = 1.6364 MACH = 3.4978 Q(PSF) = 245.23 PS = 2177.2

SECTION (1) E1 BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0803 .0803 .0809 .0814 .0745 .0474
 45.000 .0838 .0838 .0838 .0838 .0838
 90.000 .0682 .0682 .0624 .0653 .0664 .1281
 135.000 .0826 .0826 .0826 .0854 .0866 .3021
 180.000 .0838 .0820 .0716 .0601 .0863
 219.000 .0826 .0826 .0826 .0826 .0826 .0609
 270.000 .1011 .1040 .2646 .0756 .0716 .0684
 315.000 .1011 .1040 .2646 .0756 .0716 .0684

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N-) ET BASE (RESH24)

ALPHA (2) = -.178 BETA (2) = -.089 RN/L = 1.6364 MACH = 3.4978 Q(PSF) = 245.23 PS = 2177.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0712	.0597	.0481	.0498	.0429	.0389
45.000			.0643			
90.000		.0614	.0695	.0654	.0642	.1288
135.000			.0683	.0625	.0608	
141.000						.1947
180.000		.0689	.0683	.0671	.0758	
186.000						.0861
219.000			.0695			.0867
225.000			.2354			.1490
270.000	.0643	.0602	.0919	.0694	.0654	.0584
315.000						

ALPHA (2) = -.197 BETA (3) = 3.911 RN/L = 1.6364 MACH = 3.4978 Q(PSF) = 245.23 PS = 2177.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .5350 .8400 .8950 .9460 1.0000

PHI

.000	.0753	.0747	.0742	.0801	.0743	.0444
45.000			.0805			
90.000		.0915	.0880	.0905	.0836	.0870
135.000			.0730	.0720	.0674	
141.000						.1707
180.000		.0817	.0655	.0628	.0530	
186.000						.0670
219.000			.0655			.1869
225.000			.2386			.1118
270.000	.0707	.0695	.1020	.0784	.0709	.0345
315.000						

ALPHA (3) = 3.747 BETA (1) = -.083 RN/L = 1.6407 MACH = 3.4978 Q(PSF) = 245.52 PS = 2179.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0920	.0937	.0914	.0924	.0855	.0614
45.000			.0931			
90.000		.0891	.0902	.0901	.0855	.0717
135.000			.0972	.0988	.0953	
141.000						.2069
180.000		.1023	.1023	.1051	.1045	
186.000						.1112

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TABULATED SOURCE DATA - 1A82C

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(RE5H24)

ET BASE

MPS=N-

ARC87044 1A82 OTS(SRB=N

ALPHA (3) = 3.747 BETA (1) = -.083

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9450	1.0000
PHI							
219.000							.0980
225.000				.1035			
270.000	.0920	.0908		.2548		.1349	
315.000			.1132	.0965	.0930	.0599	

DATE 06 FEB 76 TABULATED SOURCE DATA - 1A82C

ARC87044 1A82 OTS(SRB=N MPS=N+) ET BASE (RESH25) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

ALPHA (1) = -4.134 BETA (1) = -.083 RN/L = 1.6383 MACH = 3.4978 Q(PSF) = 245.36 PS = 2178.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0000	.0791	.0647	.0520	.0562	.0522	.0534
45.000				.0687			
90.000			.0618	.0664	.0654	.0626	.0873
135.000				.0698	.0735	.0620	
141.000							.2676
180.000			.0698	.0722	.0741	.0712	
186.000							.1049
219.000				.0722			.1332
225.000				.2397			.0946
270.000		.0675	.0652	.1029	.0833	.0793	.0686
315.000							

ALPHA (2) = -.104 BETA (1) = -.4.085 RN/L = 1.6350 MACH = 3.4978 Q(PSF) = 245.44 PS = 2178.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0000	.0952	.0860	.0889	.0899	.0835	.0571
45.000				.0964			
90.000			.0675	.0710	.0738	.0726	.1325
135.000				.0797	.0818	.0847	
141.000							.3031
180.000			.0779	.0768	.0720	.0617	
186.000							.0910
219.000				.0768			.0599
225.000				.2902			.1366
270.000		.1108	.1177	.1146	.0812	.0755	.0553
315.000							

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ARC87044 1A82 OTS1SRB=N MPS=N+) ET BASE (RE5H25)

ALPHA (2) = -.153 BETA (2) = -.086 RN/L = 1.6360 MACH = 3.4978 Q(PSF) = 245.44 PS = 2178.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0634	.0715	.0565	.0598	.0541	.0546
45.000			.0686			
90.000		.0519	.0542	.0558	.0552	.0834
135.000			.0467	.0443	.0288	.2093
141.000						
180.000		.0496	.0524	.0541	.0518	
186.000						.0711
219.000						.0780
225.000			.0530			
270.000	.0778	.0715	.2439		.1315	
315.000			.1116	.0863	.0805	.0693

ALPHA (2) = -.206 BETA (3) = 3.917 RN/L = 1.6360 MACH = 3.4978 Q(PSF) = 245.44 PS = 2178.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0874	.0684	.0672	.0777	.0731	.0553
45.000			.0765			
90.000		.1007	.0920	.0927	.0950	.0852
135.000			.0724	.0737	.0685	.1637
141.000						
180.000		.0765	.0701	.0720	.0679	
186.000						.0841
219.000						.1862
225.000			.0701			
270.000	.0597	.0574	.2342		.1124	
315.000			.1094	.0887	.0840	.0686

ALPHA (3) = 3.825 BETA (1) = -.083 RN/L = 1.6363 MACH = 3.4978 Q(PSF) = 245.13 PS = 2176.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0929	.0850	.0708	.0729	.0677	.0677
45.000			.0893			
90.000		.0715	.0779	.0752	.0711	.0976
135.000			.0675	.0654	.0533	.1785
141.000						
180.000		.0634	.0634	.0665	.0648	
186.000						.0803

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TABULATED SOURCE DATA - 1A82C

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(RES425)

ET BASE

MPS=N+

ARC87044 1A82 OTS(SRB=N

ALPHA (3) = 3.825 BETA (1) = -.083

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000
225.000
270.000
315.000

.0865 .0784 .0634 .2550
.1207 .0976 .0919 .0809

.0746 .1219

ARC87044 1A82 OTS(SRB=N) MPS=N) ET BASE

(RE5H26) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 10.700
 ELV-1B = .000 ELV-08 = .000

ALPHA (1) = -4.156 BETA (1) = -.083 RN/L = 1.2016 MACH = 3.4978 Q(PSF) = 173.67 PS = 1542.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0981		.0703	.0564	.0605	.0548	.0515
45.000				.0768			
90.000			.0891	.0948	.0981	.0964	.0964
135.000				.0964	.1021	.0907	.1845
141.000							
180.000			.0915	.0973	.1046	.1038	
186.000							.1158
219.000							.1240
225.000			.1005	.0981			.0987
270.000				.1038	.0899	.0826	.0619
315.000							

ALPHA (2) = -.182 BETA (1) = -4.089 RN/L = 1.2031 MACH = 3.4978 Q(PSF) = 173.64 PS = 1541.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0853		.0673	.0656	.0580	.0506	.0335
45.000				.0820			
90.000			.0591	.0575	.0547	.0555	.1013
135.000				.1000	.1086	.1135	.2420
141.000							
180.000			.0984	.1041	.0980	.0850	.0989
186.000							.0776
219.000							
225.000			.1172	.1295			.1373
270.000				.0890	.0621	.0523	.0301
315.000							

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N+ MPS=N) ET BASE (RESM26)

ALPHA (2) = -.006 BETA (2) = -.092 RN/L = 1.2031 MACH = 3.4978 Q(PSF) = 173.64 PS = 1541.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0707	.0764	.0641	.0603	.0513	.0432
45.000				.0756			
90.000			.0928	.0879	.0840	.0816	.1110
135.000				.0731	.0685	.0554	.1267
141.000							
180.000			.0764	.0715	.0750	.0734	.0858
186.000							.0858
213.000							
225.000				.0723			.1226
270.000	.0936	.1001		.1952			.0579
315.000				.0987	.0775	.0701	

ALPHA (2) = -.163 BETA (3) = 3.911 RN/L = 1.2031 MACH = 3.4978 Q(PSF) = 173.64 PS = 1541.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0753	.0549	.0491	.0551	.0519	.0405
45.000				.0581			
90.000			.1177	.1243	.1252	.1269	.1179
135.000				.1071	.1049	.0992	.1440
141.000							
180.000			.1096	.0973	.0943	.0861	.1015
186.000							.1701
213.000				.0973			.1342
225.000			.0549	.1407			.0680
270.000				.0918	.0829	.0780	
315.000							

ALPHA (3) = 3.806 BETA (1) = -.083 RN/L = 1.2033 MACH = 3.4978 Q(PSF) = 173.43 PS = 1539.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.1142	.1084	.1035	.1063	.1022	.0744
45.000				.1068			
90.000			.1060	.1076	.1112	.1087	.0850
135.000				.1052	.1063	.0949	.1440
141.000							
180.000			.1060	.1062	.1079	.1063	.0981
186.000							

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N+ MPS=N) ET BASE

(RESH26)

ALPHA (3) = 3.806 BETA (1) = -.083

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI

219.000

225.000

270.000

315.000

.1060

.1987

.1251

.1137

.0859

.1235

.0859

.1137

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(RE5H27) (13 JAN 75)

ARC87044 1A82 OTS(SRB=OFF MPS=N++) ET BASE

REFERENCE DATA

SREF = 2630.000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

ALPHA (1) = -.4.209 BETA (1) = -.083 RN/L = .77950 MACH = 3.4978 Q(PSF) = 108.66 PS = 965.42

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0000	-.0748	-.0997	-.1023	-.0805	-.0936	-.0896
45.000				-.1049			
90.000			-.1023	-.1049	-.0896	-.0949	.0695
135.000				-.1036	-.0857	-.0675	
141.000							.2168
180.000			-.1075	-.1010	-.1001	-.0910	
185.000							.0509
219.000				-.1010			.0731
225.000			-.0944				.1045
270.000			-.1075	.1439			.1045
315.000				-.0440	-.0936	-.1001	-.0223

ALPHA (2) = -.154 BETA (1) = -.4.089 RN/L = .78070 MACH = 3.4978 Q(PSF) = 108.45 PS = 962.36

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	-.0836		-.1073	-.1100	-.0910	-.1041	-.1002
45.000				-.1113			
90.000			-.1126	-.1166	-.1028	-.1081	.0626
135.000				-.1205	-.1015	-.0529	
141.000							.2566
180.000			-.1166	-.1192	-.1055	-.1002	
185.000							.0409
219.000							.0015
225.000				-.1192			.0067
270.000		-.1008	-.1126	.1322			.0067
315.000				-.0556	-.1041	-.1055	-.0774

(RE5H27)

ET BASE

ARC87014 1A82 OTS(SRB=OFF MPS=N++)

ALPHA (2) = -.240 BETA (2) = -.086 RN/L = .78070 MACH = 3.4978 Q(PSF) = 108.45 PS = 962.36

SECTION (1) ET BASE DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0896	-.1027	-.1080	-.0887	-.1032	-.0861	
45.000		-.1067					
90.000		-.1054	-.1093	-.0966	-.1032	.0558	
135.000			-.1120	-.1045	-.1019	.1657	
141.000							
180.000		-.1106	-.1120	-.1097	-.1111	.0275	
186.000						.0302	
219.000							
225.000		-.1106		-.1106		.0775	
270.000		-.1027	-.1106	-.0519	-.1019	-.1084	-.0396
315.000							

ALPHA (2) = -.256 BETA (3) = 3.917 RN/L = .78070 MACH = 3.4978 Q(PSF) = 108.45 PS = 962.36

SECTION (1) ET BASE DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0866	-.0997	-.1023	-.0773	-.0903	-.0903	
45.000			-.1062				
90.000		-.1049	-.1075	-.0903	-.0942	-.0082	
135.000			-.1075	-.0942	-.0994		
141.000						.1237	
180.000		-.1088	-.1075	-.0969	-.1020	.0401	
186.000						.1329	
219.000							
225.000		-.1062				.1329	
270.000		-.0997	-.1075	.1430	-.0929	-.1034	-.0017
315.000			-.0421				

ALPHA (3) = 3.694 BETA (1) = -.083 RN/L = .77920 MACH = 3.4978 Q(PSF) = 108.10 PS = 959.77

SECTION (1) ET BASE DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0912	-.0965	-.0931	-.0844	-.1002	-.0674	
45.000			-.1005				
90.000		-.1018	-.1031	-.0936	-.0976	-.0043	
135.000			-.1070	-.1028	-.0989		
141.000						.1543	
180.000		-.1057	-.1070	-.1068	-.1068		
186.000						.0292	

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(RE5H27)

ET BASE

ARC87044 1A82 OTS/SRB=OFF MPS=N++)

ALPHA (3) = 3.694 BETA (1) = -.093

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.0161

-.1057

.1377

-.0476

.0556

-.1015

-.0419

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ARC87044 1A82 OTS(SRB=OFF MPS=N-+)

ET BASE

(RES428) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

ALPHA (1) = -.4.159 BETA (1) = -.083 RN/L = .78380 MACH = 3.4978 Q(PSF) = 108.34 PS = 962.59

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0745	-.0969	-.0982	-.0825	-.0943	-.0930	
45.000		-.1008	-.1008	-.0943	-.0970	.0631	
90.000		-.1034	-.1034	-.0917	-.0733	.2308	
135.000		-.1061	-.1061	-.1035	-.0970	.0480	
141.000		-.1034	-.1034	-.1035	-.0970	.0704	
180.000						.0993	
186.000						-.0269	
219.000							
225.000							
270.000	-.0929	-.1034	-.1392	-.0970	-.0996		
315.000			-.0471				

ALPHA (2) = -.147 BETA (1) = -.4.083 RN/L = .78563 MACH = 3.4978 Q(PSF) = 108.39 PS = 962.12

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0755	-.0953	-.0966	-.0793	-.0898	-.0924	
45.000		-.1031	-.0992	-.0937	-.0963	.0663	
90.000		-.1031	-.1110	-.0937	-.0478	.2630	
135.000		-.1071	-.1110	-.0990	-.0924	.0239	
141.000						.0055	
180.000						.0108	
186.000						-.0720	
219.000							
225.000							
270.000	-.0913	-.0979	-.1384	-.0924	-.0924		
315.000			-.0452				

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(RESH28)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=N+++)

ALPHA (2) = -.181 BETA (2) = -.089 RN/L = .78563 MACH = 3.4978 Q(PSF) = 108.39 PS = 962.12

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0785

45.000

90.000

135.000

141.000

180.000

186.000

219.000

225.000

270.000

315.000

-.0904 -.0930 -.0773 -.0905 -.0800

-.0917

-.0943 -.0956 -.0855 -.0905 .0629

-.0996 -.0931 -.0957

.1684

-.0996 -.1022 -.1009 -.1023

.0108

.0357

-.0904 -.0982

-.1022

.1416

-.0420 -.0905 -.0944 -.0352

.0817

ALPHA (2) = -.300 BETA (3) = 3.917 RN/L = .78563 MACH = 3.4978 Q(PSF) = 108.39 PS = 962.12

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0835

45.000

90.000

135.000

141.000

180.000

186.000

219.000

225.000

270.000

315.000

-.0953 -.0955 -.0748 -.0866 -.0918

-.0992

-.1005 -.0905 -.0918 -.0120

-.1045 -.0944 -.0997

.1205

-.1071 -.1071 -.0957 -.1010

.0352

.1310

-.1071

.1425

-.0408 -.0892 -.0997 -.0068

.1297

ALPHA (3) = 3.731 BETA (1) = -.083 RN/L = .78560 MACH = 3.4978 Q(PSF) = 108.26 PS = 961.18

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0805

45.000

90.000

135.000

141.000

180.000

186.000

-.0870 -.0897 -.0727 -.0871 -.0609

-.0883

-.0897 -.0936 -.0845 -.0871 -.0018

-.0989 -.0924 -.0898

.1568

-.0962 -.1015 -.0937 -.0963

.0201

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TABULATED SOURCE DATA - 1A82C

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(RE5H28)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=N+++)

ALPHA (3) = 3.731 BETA (1) = -.083

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.0174

-.1002

.1465

-.0373

.0595

-.0897

-.0858

-.0898

-.0391

DATE 06 FEB 78

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N++ MPS=N)

ET BASE

(RESH29) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -.4.184 BETA (1) = -.083 RN/L = .78590 MACH = 3.4978 Q(PSF) = 108.18 PS = 960.47

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0955	.0570	.0425	.0455	.0376	.0310
45.000			.0570				
90.000		.0636	.0688	.0705	.0665	.0757	
135.000			.0899	.0968	.0981	.2427	
141.000							
180.000		.0965	.1004	.1086	.1086		
186.000						.1268	
219.000			.1031			.1215	
225.000		.0833	.0794	.2612		.0912	
270.000			.1020	.0731	.0639	.0412	
315.000							

ALPHA (2) = -.060 BETA (1) = -.4.089 RN/L = .78803 MACH = 3.4978 Q(PSF) = 108.47 PS = 963.07

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0650	.0611	.0607	.0528	.0450	
45.000			.0703				
90.000		.0519	.0440	.0437	.0411	.0986	
135.000			.0860	.1039	.1143	.2801	
141.000							
180.000		.1031	.1385	.1471	.1392		
186.000						.1332	
219.000						.1149	
225.000		.0913	.1044			.1201	
270.000			.1026	.0777	.0725	.0493	
315.000							

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N+ MPS=N) ET BASE (RE5H29)

ALPHA (2) = -.009 BETA (2) = -.083 RN/L = .78803 MACH = 3.4978 Q(PSF) = 108.47 PS = 963.07

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0897	.0608	.0490	.0560	.0455	.0364	
45.000			.0687				
90.000		.0831	.0857	.0926	.0848	.1136	
135.000			.0870	.0939	.0822		
141.000						.2239	
180.000		.0936	.0923	.1005	.0992	.1138	
186.000						.1033	
219.000							
225.000		.0766	.0739	.0936			
270.000				.2614		.1073	
315.000				.1057	.0756	.0665	.0417

ALPHA (2) = -.160 BETA (3) = 3.917 RN/L = .78803 MACH = 3.4978 Q(PSF) = 108.47 PS = 963.07

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0590	.0524	.0485	.0628	.0549	.0457	
45.000			.0590				
90.000		.1024	.1024	.1061	.1048	.0995	
135.000			.1142	.1192	.1218		
141.000						.2136	
180.000		.1076	.1247	.1297	.1245	.1337	
186.000						.1768	
219.000							
225.000		.0485	.0485	.1261		.1413	
270.000				.2255	.0838	.0785	.0756
315.000				.0982			

ALPHA (3) = 3.850 BETA (1) = -.083 RN/L = .79010 MACH = 3.4978 Q(PSF) = 108.66 PS = 964.72

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.1100	.1061	.1034	.1055	.1042	.0794	
45.000			.1021				
90.000		.1047	.1008	.1082	.1029	.0873	
135.000			.1021	.1173	.1095		
141.000						.2207	
180.000		.1191	.1165	.1238	.1225	.1186	
186.000							

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 DT51SR8=N++ MPS=N)

ET BASE

(RES429)

ALPHA (3) = 3.850 BETA (1) = -.083

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.1178

.2779

.1343

.1029

.1173

.0689

.1108 .1082

ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE

(RE5H30) (13 JAN 75)

REFERENCE DATA

SREF = 2630.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

ALPHA (1) = -3.963 BETA (1) = -.039 RN/L = 2.8576 MACH = 2.5975 Q(PSF) = 506.00 PS = 2129.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI .000 -1.187
 45.000 .1554 -.1571 -.1555 -.1578 -.0574
 90.000 -.1565
 135.000 -.1610 -.1617 -.1617 .0959
 141.000 -.1644 -.1527 -.0884 .2270
 180.000 -.1689 -.1731 -.1555 -.1021 .0809
 186.000 .2296
 219.000
 225.000 -.1745
 270.000 -.1484 -.1502 -.0659 .1027
 315.000 -.1418 -.1561 -.1449 .0061

ALPHA (2) = .057 BETA (1) = -4.045 RN/L = 2.6381 MACH = 2.5975 Q(PSF) = 505.89 PS = 2129.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI .000 -1.1091
 45.000 -.1380 -.1391 -.1364 -.1400 -.0740
 90.000 -.1391
 135.000 -.1447 -.1503 -.1489 -.1498 .1420
 141.000 -.1559 -.1196 -.0197 .3350
 180.000 -.1506 -.1559 -.1442 -.1366 .0302
 186.000 .0450
 219.000
 225.000 -.1557
 270.000 -.1355 -.1492 -.0603 .0484
 315.000 -.1355 -.1447 -.1503 -.0429

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB-OFF MPS-OFF) ET BASE (RE5H30)

ALPHA (2) = .137 BETA (2) = -.042 RN/L = 2.6381 MACH = 2.5975 Q(PSF) = 505.89 PS = 2129.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1183
 45.000 -.1469
 90.000 -.1435
 135.000 -.1527
 141.000 -.1513
 180.000 -.1592
 186.000 -.1623
 219.000 -.1637
 225.000 -.1652
 270.000 -.1396
 315.000 -.1477

ALPHA (2) = .244 BETA (3) = 3.961 RN/L = 2.6381 MACH = 2.5975 Q(PSF) = 505.89 PS = 2129.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1172
 45.000 -.1449
 90.000 -.1477
 135.000 -.1427
 141.000 -.1385
 180.000 -.1455
 186.000 -.1382
 219.000 -.1546
 225.000 -.1568
 270.000 -.1382
 315.000 -.1382

ALPHA (3) = 4.103 BETA (1) = -.042 RN/L = 2.6260 MACH = 2.5975 Q(PSF) = 506.00 PS = 2128.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1135
 45.000 -.1393
 90.000 -.1365
 135.000 -.1404
 141.000 -.1435
 180.000 -.1485
 186.000 -.1370

TABULATED SOURCE DATA - 1A82C

DATE 06 FEB 76

(RESH30)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (3) = 4.103 BETA (1) = -.042

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RDD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI

219.000							.1140
225.000				-.1485			
270.000				-.0522			.1250
315.000				-.1297	-.1420	-.1464	-.0002

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RESH31) (13 JAN 75)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

ALPHA (1) = -3.850 BETA (1) = -.042 RN/L = 2.6480

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 .0188 .0273 .0336 .0377 .0338 .0135
 45.000 .0259
 90.000 .0102 .0113 .0133 .0130 .0934
 135.000 .0351 -.0326 -.0284
 141.000
 180.000 .0111 -.0348 -.0114 -.0238
 186.000
 219.000
 225.000 .0234 .0670
 270.000 .0316 .0187 .0091
 315.000 .0073

ALPHA (2) = -.012 BETA (1) = -4.045 RN/L = 2.6392

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 .0165 .0107 .0099 .0057 .0021 -.0454
 45.000 .0090
 90.000 -.0149 -.0344 -.0330 -.0294 .1308
 135.000 .0192 .0191 .0534
 141.000
 180.000 .0187 .0233 .0235 .0241
 186.000
 219.000
 225.000 .0195 .0206 .0236
 270.000 .0633
 315.000 .0164 .0123 .0095 -.0403

PARAMETRIC DATA

MACH = 2.5975 O(PSF) = 515.75 PS = 2171.3
 ELV-1B = 4.000 ELV-08 = 15.100
 ELV-1B = 4.000 ELV-08 = .000

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RES431)

ALPHA (2) = .122 BETA (2) = -.042 RN/L = 2.6392 MACH = 2.5975 Q(PSF) = 515.69 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0116	.0218	.0341	.0377	.0429	.0079
45.000		.0231	.0231			
90.000		.0146	.0083	-.0154	-.0346	.1024
135.000			.0056	.0032	.0221	.2295
141.000						
180.000		.0091	.0053	.0125	.0122	.0672
186.000						.1644
219.000						
225.000			.0056			.1002
270.000	.0396	.0536	.0802			.0035
315.000			.0394	.0355	.0355	

ALPHA (2) = .013 BETA (3) = 3.958 RN/L = 2.6392 MACH = 2.5975 Q(PSF) = 515.69 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0138	.0116	.0124	.0128	.0087	-.0368
45.000			.0171			
90.000		.0427	.0413	.0397	.0378	.0224
135.000			.0157	.0158	-.0023	.0833
141.000						
180.000		.0124	.0130	.0109	.0010	.0959
186.000						.3218
219.000						
225.000			.0127			.1638
270.000	.0105	.0072	.0463			.0374
315.000			.0155	.0098	-.0001	

ALPHA (3) = 4.097 BETA (1) = -.042 RN/L = 2.6282 MACH = 2.5975 Q(PSF) = 515.58 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0131	.0327	.0434	.0474	.0463	-.0041
45.000			.0346			
90.000		.0228	.0167	-.0008	-.0167	.0782
135.000			-.0130	-.0214	-.0033	.1883
141.000						
180.000		.0178	-.0003	.0047	.0090	.0593
186.000						

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RESH31)

ET BASE

)

MPS=N

(SRB=N

ARC87044

BETA (1) =

4.097

ALPHA (3) =

-042

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PH1

219.000

225.000

270.000

315.000

.1139

.1304

.0008

.0897

.0417

.0461

.0491

.0370

.0378

.0057

ARC87044 1A82 OTS/SRB=OFF MPS=OFF) ET BASE

(RESH32) 113 JAN 75 11:11:15 154 158 12 M

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

ALPHA (1) = -3.791 BETA (1) = .011 RN/L = 2.1232 MACH = 2.9974 Q(PSF) = 373.47 PS = 2172.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 -.0868 -.1187 -.1210 -.1164 -.1247 -.0618
 45.000 -.1221
 90.000 -.1237 -.1248 -.1220 -.1236 .1267
 135.000 -.1301 -.1118 -.0599 .2339
 141.000
 180.000 -.1332 -.1309 -.1145 -.0731
 186.000 .0886
 219.000 .1713
 225.000
 270.000 -.1138 -.1248 .0217 .1284
 315.000 -.0959 -.1217 -.1076 .0062

ALPHA (2) = .169

BETA (1) = -3.992 RN/L = 2.1146

MACH = 2.9974

Q(PSF) = 373.51

PS = 2173.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 -.0843 -.1121 -.1140 -.1095 -.1167 -.0762
 45.000 -.1135
 90.000 -.1159 -.1182 -.1164 -.1179 .1267
 135.000 -.1208 -.0917 -.0102 .3105
 141.000
 180.000 -.1235 -.1216 -.1186 -.0940
 186.000 .0459
 219.000 .0683
 225.000
 270.000 -.1079 -.1178 -.1212
 315.000 -.0947 -.1186 -.1198 -.0414

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 4.000 ELV-08 = .000

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) (RE5H32)

ALPHA (2) = .044 BETA (2) = .011 RN/L = 2.1146 MACH = 2.9974 Q(PSF) = 373.51 PS = 2173.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	-.0858	-.1112	-.1127	-.1107	-.1217	-.0528
45.000		-.1124				
90.000		-.1131	-.1127	-.1130	-.1145	.1135
135.000			-.1188	-.1096	-.0846	
141.000						.1424
180.000		-.1169	-.1196	-.1228	-.0986	
186.000						.0343
219.000						.1094
225.000			-.1192			
270.000	-.1063	-.1135	.0256			.0859
315.000			-.0910	-.1172	-.1122	-.0009

ALPHA (2) = -.006 BETA (3) = 4.011 RN/L = 2.1146 MACH = 2.9974 Q(PSF) = 373.51 PS = 2173.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	-.0905	-.1148	-.1163	-.1107	-.1213	-.0724
45.000		-.1171				
90.000		-.1136	-.1152	-.1126	-.1149	.0257
135.000			-.1110	-.1096	-.1160	
141.000						.1023
180.000		-.1178	-.1106	-.1217	-.1251	
186.000						.0852
219.000						.2786
225.000			-.1102			
270.000	-.1106	-.1174	.0226			.1167
315.000			-.0929	-.1228	-.1100	.0355

ALPHA (3) = 4.062 BETA (1) = .014 RN/L = 2.1159 MACH = 2.9974 Q(PSF) = 373.59 PS = 2172.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	-.0870	-.1083	-.1091	-.1052	-.1173	-.0340
45.000			-.1079			
90.000		-.1117	-.1117	-.1094	-.1113	.0858
135.000			-.1159	-.1075	-.0859	
141.000						.1464
180.000		-.1091	-.1163	-.1183	-.1014	
186.000						.0280

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE

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(RESH32)

ALPHA (3) = 4.062 BETA (1) = .014

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9450 1.0000

PHI

219.000

225.000

270.000

315.000

-.1155

-.1041

-.1098

-.0874

-.1124

-.1143

.0011

.0846

.1013

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

PAGE 467

(RESH33) (13 JAN 75)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

ALPHA (1) = -4.007 BETA (1) = .014 RN/L = 2.1066 MACH = 2.9974 Q(PSF) = 373.22 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0530 .0663 .0583 .0563 .0491 .0214
 45.000 .0640 .0640
 90.000 .0560 .0446 .0449 .0453 .1379
 135.000 .0477 .0464 .0517 .2252
 141.000
 180.000 .0484 .0472 .0415 .0938
 186.000 .1716
 219.000
 225.000 .0488
 270.000 .0556 .0541 .1371 .1291
 315.000 .0756 .0673 .0639 .0174

ALPHA (2) = -.050 BETA (1) = -3.989 RN/L = 2.1054 MACH = 2.9974 Q(PSF) = 373.22 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0560 .0567 .0640 .0663 .0690 .0500
 45.000 .0560
 90.000 .0267 .0225 .0288 .0337 .1437
 135.000 .0411 .0470 .0515 .3069
 141.000
 180.000 .0499 .0423 .0401 .0470 .0714
 186.000 .0588
 219.000
 225.000 .0427
 270.000 .0849 .0940 .1771 .0585
 315.000 .0765 .0614 .0659 .0474

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PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 4.000 ELV-08 = .000

DATE 06 FEB '76

TABULATED SOURCE DATA - 1A82C

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(RESH33)

ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE

ALPHA (2) = .137 BETA (2) = .008 RN/L = 2.1054 MACH = 2.9974 Q(PSF) = 373.22 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0471	.0737	.0699	.0716	.0659	.0470
45.000				.0658			
90.000			.0471	.0479	.0504	.0519	.1319
135.000				.0346	.0288	.0178	.1391
141.000			.0441	.0380	.0363	.0322	
180.000							.0480
186.000							.1106
219.000				.0384			
225.000				.1422			.0787
270.000		.0578	.0540		.0697	.0667	.0396
315.000				.0607			

ALPHA (2) = .097 BETA (3) = 4.011 RN/L = 2.1054 MACH = 2.9974 Q(PSF) = 373.22 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0357	.0635	.0650	.0687	.0657	.0300
45.000				.0749			
90.000			.0768	.0787	.0801	.0721	.0630
135.000				.0399	.0441	.0410	
141.000			.0441	.0373	.0445	.0426	.1001
180.000							.0933
186.000							.2737
219.000				.0373			
225.000			.0430	.1343			.1142
270.000		.0407		.0668	.0570	.0513	.0355
315.000							

ALPHA (3) = 4.053 BETA (1) = .011 RN/L = 2.1037 MACH = 2.9974 Q(PSF) = 373.22 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0582	.0901	.0912	.0931	.0924	.0783
45.000				.0851			
90.000			.0665	.0677	.0730	.0700	.1064
135.000				.0490	.0457	.0309	.1403
141.000			.0582	.0513	.0545	.0537	
180.000							.0673
186.000							

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

PAGE 469

(RESH33)

ET BASE

MPS=N

OTS(SRB=N

ARC87044

BETA (1) = .011

ALPHA (3) = 4.053

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
219.000				.0513			.0966
225.000			.0650	.1614			.0977
270.000		.0677		.0958	.0855	.0852	.0749
315.000							

PHI

219.000

225.000

270.000

315.000

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH34) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-08 = .000

ALPHA (1) = -4.109 BETA (1) = -.086 RN/L = 1.6474 MACH = 3.4978 Q(PSF) = 244.44 PS = 2167.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0645	-.0912	-.0935	-.0852	-.0968	-.0643	
45.000			-.0941	-.0953	-.0921	-.0962	.1327
90.000				-.0935	-.0800	-.0498	
135.000							.2421
141.000							
180.000			-.1011	-.0993	-.0875	-.0631	
186.000							.0791
219.000							.1156
225.000							.1754
270.000			-.0866	-.0958	.1362		.0008
315.000				-.0504	-.0950	-.0840	

ALPHA (2) = -.260 BETA (1) = -4.083 RN/L = 1.6443 MACH = 3.4978 Q(PSF) = 244.44 PS = 2170.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0631	-.0880	-.0899	-.0823	-.0939	-.0678	
45.000			-.0921				
90.000			-.0915	-.0944	-.0916	-.0956	.1112
135.000				-.0938	-.0748	-.0215	
141.000							.2977
180.000			-.0967	-.0973	-.0945	-.0719	
186.000							.0425
219.000							.0488
225.000							
270.000			-.0840	-.0927	.1373		.0755
315.000				-.0510	-.0945	-.0927	-.0434

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH34)

ALPHA (2) = -.103 BETA (2) = -.086 RN/L = 1.6443 MACH = 3.4978 Q(PSF) = 244.44 PS = 2170.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

-.0671

-.0857 -.0869 .0785 -.0936 -.0496

45.000

-.0874

-.0892 -.0861 -.0907 .1144

90.000

-.0938

-.0938 -.0866 -.0727 .2039

135.000

-.0938

-.0938 -.0947 -.0791

141.000

-.0991

-.0840 -.0909 .1397 .1581

180.000

-.0455

-.0907 -.0872 -.0031

186.000

.0659

.0340

219.000

.1581

.0659

225.000

.1581

.1581

270.000

.1581

.1581

315.000

.1581

.1581

ALPHA (2) = -.247 BETA (3) = 3.917 RN/L = 1.6443 MACH = 3.4978 Q(PSF) = 244.44 PS = 2170.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

-.0718

-.0903 -.0921 -.0843 -.0971 -.0687

45.000

-.0932

-.0932 -.0921 -.0942 .0107

90.000

-.0921

-.0921 -.0942 .0107

135.000

-.0898

-.0898 -.0913 -.0953 .1453

141.000

-.0927

-.0927 -.0988 -.0947 -.0988

180.000

.0630

.0630

186.000

.1835

.1835

219.000

.1099

.1099

225.000

.1336

.1336

270.000

.1099

.1099

315.000

.1099

.1099

ALPHA (3) = 3.850 BETA (1) = -.086 RN/L = 1.6430 MACH = 3.4978 Q(PSF) = 244.41 PS = 2169.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

-.0683

-.0816 -.0828 -.0739 -.0907 -.0333

45.000

-.0845

-.0845 -.0880 -.0889 .0490

90.000

-.0874

-.0874 -.0880 -.0889 .0490

135.000

-.0909

-.0909 -.0889 -.0774 .1751

141.000

-.0909

-.0909 -.0938 -.0965 -.0860

180.000

.0149

.0149

186.000

.0149

.0149

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ET BASE

(RESH34)

ALPHA (3) = 3.850 BETA (1) = -.086

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

-.0938

-.1388

-.0432

-.0372

-.0895

-.0036

.0469

.1141

-.0036

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

(RESH35) (13 JAN 75)

ARC87044 1A82 OTS(SRB=N) MPS=N) ET BASE

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
ELV-18 = 4.000 ELV-08 = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
LREF = 1290.3000 FT. YMRP = .0000 IN.YT
BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
SCALE = .0100

ALPHA (1) = -4.056 BETA (1) = -.086 RN/L = 1.6394 MACH = 3.4978 Q(PSF) = 244.33 PS = 2168.5

SECTION (1) ET BASE

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI	0.00	.0869	.0643	.0504	.0541	.0495	.0495
45.000				.0730			
90.000			.0678	.0748	.0744	.0697	.0906
135.000				.0794	.0836	.0703	.2518
141.000							
180.000		.0771		.0811	.0836	.0813	.1055
186.000							.1293
219.000				.0811			.1003
225.000		.0742	.0707	.2475		.0773	.0591
270.000				.1016	.0825		
315.000							

ALPHA (2) = -.063 BETA (1) = -4.086 RN/L = 1.6413 MACH = 3.4978 Q(PSF) = 244.57 PS = 2171.8

SECTION (1) ET BASE

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI	0.00	.0757	.0791	.0867	.0872	.0831	.0536
45.000				.0826			
90.000			.0629	.0583	.0623	.0635	.1265
135.000				.0739	.0750	.0762	.2992
141.000							
180.000		.0745		.0751	.0675	.0565	.0918
186.000							.0582
219.000				.0751			.1121
225.000		.1046	.1273	.2879		.0750	.0536
270.000				.1109	.0791		
315.000							

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TABULATED SOURCE DATA - 1A82C

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(RE5H35)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

)

RN/L = 1.6413

MACH = 3.4978

Q(PSF) = 244.57

PS = 2171.8

ALPHA (2) = -.184 BETA (2) = -.089 RN/L = 1.6413 MACH = 3.4978 Q(PSF) = 244.57 PS = 2171.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 .0535 .0663 .0513 .0518 .0466 .0449
 45.000 .0646 .0513 .0512 .0981
 90.000 .0495 .0414 .0385 .0252 .1954
 135.000 .141.000 .0449 .0466 .0449 .0628
 180.000 .0460 .0449 .0466 .0449 .0732
 186.000 .0455 .0455 .0455 .0455 .0455
 219.000 .0675 .0623 .0351 .1415
 225.000 .0675 .0623 .0351 .1415
 270.000 .0675 .0623 .0351 .1415
 315.000 .0675 .0623 .0351 .1415

ALPHA (2) = -.100 BETA (3) = 3.914 RN/L = 1.6413 MACH = 3.4978 Q(PSF) = 244.57 PS = 2171.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 .0674 .0633 .0628 .0697 .0650 .0500
 45.000 .0726 .0726 .0726 .0726 .0726 .0726
 90.000 .0982 .0982 .0982 .0982 .0982 .0982
 135.000 .0720 .0720 .0720 .0720 .0720 .0720
 141.000 .0720 .0720 .0720 .0720 .0720 .0720
 180.000 .0732 .0703 .0668 .0668 .0708 .0873
 186.000 .0732 .0703 .0668 .0668 .0708 .0873
 219.000 .0732 .0703 .0668 .0668 .0708 .0873
 225.000 .0732 .0703 .0668 .0668 .0708 .0873
 270.000 .0564 .0529 .0272 .0272 .0272 .0272
 315.000 .0564 .0529 .0272 .0272 .0272 .0272

ALPHA (3) = 3.785 BETA (1) = -.086 RN/L = 1.6412 MACH = 3.4978 Q(PSF) = 244.49 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 .1109 .1068 .1045 .1047 .0984 .0666
 45.000 .1086 .1086 .1086 .1086 .1086 .1086
 90.000 .1103 .1103 .1103 .1103 .1103 .1103
 135.000 .1080 .1080 .1080 .1080 .1080 .1080
 141.000 .1080 .1080 .1080 .1080 .1080 .1080
 180.000 .1086 .1063 .1065 .1065 .1042 .1988
 186.000 .1086 .1063 .1065 .1065 .1042 .1988

DATE 06 FEB 76 TABULATED SOURCE DATA - 1ABPC (RES435)

ARC87044 1A82 OTS(SRB=N) ET BASE

MPS=N

ALPHA (3) = 3.785 BETA (1) = -.086

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
219.000				.1063			.0952
225.000				.2690			.1345
270.000	.1138	.1092		.1290	.1099	.1071	.0761
315.000							

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH36) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = 4.000 ELV-08 = -4.000

ALPHA (1) = -3.669 BETA (1) = -.042 RN/L = 2.6932 MACH = 2.5975 Q(PSF) = 515.91 PS = 2172.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -1.1162 -1.1525 -1.1541 -1.1538 -1.1571 -.0560
 45.000 -1.1541 -1.1541 -1.1541 -1.1541 -1.1541 -.0560
 90.000 -1.1579 -1.1579 -1.1579 -1.1579 -1.1579 -.0575
 135.000 -1.1519 -1.1519 -1.1519 -1.1519 -1.1519 -.0875
 141.000 -1.1519 -1.1519 -1.1519 -1.1519 -1.1519 -.0875
 180.000 -1.1559 -1.1559 -1.1559 -1.1559 -1.1559 -.0875
 186.000 -1.1559 -1.1559 -1.1559 -1.1559 -1.1559 -.0875
 219.000 -1.1559 -1.1559 -1.1559 -1.1559 -1.1559 -.0875
 225.000 -1.1559 -1.1559 -1.1559 -1.1559 -1.1559 -.0875
 270.000 -1.1459 -1.1459 -1.1459 -1.1459 -1.1459 -.0939
 315.000 -1.1412 -1.1412 -1.1412 -1.1412 -1.1412 -.0072

ALPHA (2) = .141 BETA (1) = -4.045 RN/L = 2.6788 MACH = 2.5975 Q(PSF) = 516.02 PS = 2171.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -1.1073 -1.1361 -1.1380 -1.1344 -1.1385 -.0714
 45.000 -1.1378 -1.1378 -1.1378 -1.1378 -1.1378 -.0714
 90.000 -1.1433 -1.1433 -1.1433 -1.1433 -1.1433 -.1427
 135.000 -1.1534 -1.1534 -1.1534 -1.1534 -1.1534 -.1427
 141.000 -1.1534 -1.1534 -1.1534 -1.1534 -1.1534 -.1427
 180.000 -1.1482 -1.1482 -1.1482 -1.1482 -1.1482 -.1427
 186.000 -1.1482 -1.1482 -1.1482 -1.1482 -1.1482 -.1427
 219.000 -1.1482 -1.1482 -1.1482 -1.1482 -1.1482 -.1427
 225.000 -1.1482 -1.1482 -1.1482 -1.1482 -1.1482 -.1427
 270.000 -1.1331 -1.1331 -1.1331 -1.1331 -1.1331 -.0526
 315.000 -1.1331 -1.1331 -1.1331 -1.1331 -1.1331 -.0401

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH36)

ALPHA (2) = .194 BETA (2) = -.039 RN/L = 2.6788 MACH = 2.5975 Q(PSF) = 516.02 PS = 2171.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.1172						
45.000		-.1455		-.1457	-.1432	-.1558	-.0575
90.000			-.1515	-.1427	-.1508	-.1533	.1043
135.000				-.1529	-.1073	-.0405	
141.000							.2314
180.000			-.1578	-.1526	-.1511	-.1057	
186.000							.0603
219.000							.1667
225.000				-.1523			
270.000	-.1383	-.1468		-.0597			.1058
315.000				-.1333	-.1470	-.1437	.0019

ALPHA (2) = .057 BETA (3) = 3.961 RN/L = 2.6788 MACH = 2.5975 Q(PSF) = 516.02 PS = 2171.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.1176						
45.000		-.1450		-.1453	-.1425	-.1507	-.0710
90.000			-.1429	-.1481	-.1444	-.1463	.0087
135.000				-.1478	-.1373	-.1419	
141.000							.0752
180.000			-.1456	-.1475	-.1545	-.1567	
186.000							.1020
219.000							.3279
225.000				-.1472			
270.000	-.1407	-.1467		-.0628			.1806
315.000				-.1340	-.1488	-.1455	.0375

ALPHA (3) = 4.231 BETA (1) = -.039 RN/L = 2.6601 MACH = 2.5975 Q(PSF) = 515.91 PS = 2172.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.1122						
45.000		-.1378		-.1378	-.1372	-.1509	-.0404
90.000			-.1389	-.1348	-.1410	-.1415	.0844
135.000				-.1416	-.1160	-.0656	
141.000				-.1419			.2007
180.000		-.1359	-.1419	-.1506	-.1215		
186.000							.0470

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE

(RE5H36)

ALPHA (3) = 4.231 BETA (1) = -.039

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROO	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI

219.000							.1142
225.000				-.1419			
270.000		-.1296	-.1345	-.0530		.1271	
315.000				-.1295	-.1415	-.1457	.0011

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 QTS(SRB=N MPS=N) ET BASE (RESH37) (13 JAN 75)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = 4.000 ELV-08 = -4.000

ALPHA (1) = -3.900 BETA (1) = -.038 RN/L = 2.6229 MACH = 2.5975 Q(PSF) = 515.41 PS = 2169.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0207	.0279	.0337	.0391	.0354	.0159	
45.000		.0252					
90.000		.0122	.0114	.0148	.0145	.0913	
135.000			-.0346	-.0310	-.0277	.2294	
141.000							
180.000		.0129	-.0381	-.0074	-.0198	.0820	
185.000						.2288	
219.000							
225.000			-.0282			.0858	
270.000		.0271	.0304	.0690	.0312	.0074	
315.000				.0409			

ALPHA (2) = .050 BETA (1) = -.042 RN/L = 2.6289 MACH = 2.5975 Q(PSF) = 516.31 PS = 2173.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0202	.0103	.0114	.0115	.0093	-.0452	
45.000			.0125				
90.000		-.0114	-.0317	-.0309	-.0271	.1386	
135.000			.0251	.0271	.0603	.3327	
141.000							
180.000		.0306	.0339	.0348	.0340	.0485	
186.000						.0664	
219.000							
225.000			.0334			.0513	
270.000		.0150	.0144	.0566			
315.000			.0143	.0107	.0093	-.0395	

ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH37)

ALPHA (2) = -.050 BETA (2) = -.042 RN/L = 2.6289 MACH = 2.5975 Q(PSF) = 516.31 PS = 2173.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0109	.0216	.0339	.0375	.0425	.0074	
.000			.0227				
45.000		.0144	.0076	-.0162	-.0348	.1011	
90.000			.0048	.0027	.0214		
135.000						.2315	
141.000		.0081	.0048	.0118	.0123		
180.000						.0568	
196.000						.1646	
219.000			.0051				
225.000		.0394	.0523	.0814		.0973	
270.000			.0389	.0356	.0348	.0029	
315.000							

ALPHA (2) = .100 BETA (3) = 3.058 RN/L = 2.6289 MACH = 2.5975 Q(PSF) = 516.31 PS = 2173.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0150	.0120	.0134	.0147	.0106	-.0357	
.000			.0180				
45.000		.0436	.0422	.0422	.0408	.0238	
90.000			.0169	.0172	-.0001		
141.000						.0824	
180.000		.0128	.0145	.0134	.0030		
196.000						.0964	
219.000			.0147			.3251	
225.000			.0485			.1635	
270.000	.0117	.0076	.0172	.0123	.0019	.0363	
315.000							

ALPHA (3) = 4.044 BETA (1) = -.042 RN/L = 2.6205 MACH = 2.5975 Q(PSF) = 515.07 PS = 2166.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0123	.0321	.0425	.0461	.0450	-.0048	
.000			.0335				
45.000		.0219	.0164	-.0020	-.0177	.0777	
90.000			-.0131	-.0226	-.0053		
135.000						.1913	
141.000		.0169	-.0015	.0040	.0079		
180.000						.0590	
186.000							

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TABULATED SOURCE DATA - 1A82C

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(RESH37)

ET BASE

MP5=N

ARC87044 1A82 OTS(SRB=N

ALPHA (31 = 4.044 BETA (1) = -.042

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000
225.000
270.000
315.000

.0412 .0458 -.0001
.0488 .0362 .0373 .1140
.1278 .0056

(RE5H38) (13 JAN 75)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 4.000 ELV-08 = -4.000

ALPHA (1) = -3.763 BETA (1) = .011 RN/L = 2.1146 MACH = 2.9974 Q(PSF) = 372.98 PS = 2168.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000 -.0855
 45.000 -.1189
 90.000 -.1212
 135.000 -.1238
 141.000 -.1250
 180.000 -.1250
 186.000 -.1333
 219.000 -.1295
 225.000 -.1139
 270.000 -.1246
 315.000 -.0973

ALPHA (2) = .003 BETA (1) = -3.986 RN/L = 2.1095 MACH = 2.9974 Q(PSF) = 372.86 PS = 2169.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000 -.0845
 45.000 -.1119
 90.000 -.1138
 135.000 -.1157
 141.000 -.1176
 180.000 -.1217
 186.000 -.1235
 219.000 -.1229
 225.000 -.1235
 270.000 -.1188
 315.000 -.1188

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB-OFF MPS=OFF) ET BASE (RESH38)

ALPHA (2) = .187 BETA (2) = .311 RN/L = 2.1095 MACH = 2.9974 Q(PSF) = 372.86 PS = 2169.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	-.0883	-.1137	-.1153	-.1117	-.1239	-.0548
45.000			-.1153			
90.000		-.1164	-.1153	-.1140	-.1167	.1131
135.000			-.1213	-.1102	-.0867	.1431
141.000						
180.000		-.1198	-.1221	-.1246	-.1011	.0332
186.000						.1073
219.000			-.1221			.0849
225.000			.0257			-.0029
270.000	-.1088	-.1168	-.0924	-.1193	-.1148	
315.000						

ALPHA (2) = -.063 BETA (3) = 4.014 RN/L = 2.1095 MACH = 2.9974 Q(PSF) = 372.86 PS = 2169.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	-.0907	-.1155	-.1166	-.1142	-.1241	-.0766
45.000			-.1170			
90.000		-.1136	-.1158	-.1161	-.1180	.0238
135.000			-.1117	-.1130	-.1195	.1020
141.000						
180.000		-.1181	-.1208	-.1252	-.1290	.0849
186.000						.2765
219.000			-.1242			.1153
225.000			.0215			.0339
270.000	-.1113	-.1181	-.0963	-.1263	-.1134	
315.000						

ALPHA (3) = 3.978 BETA (1) = .008 RN/L = 2.1080 MACH = 2.9974 Q(PSF) = 372.86 PS = 2169.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	-.0873	-.1082	-.1090	-.1068	-.1186	-.0350
45.000			-.1079			
90.000		-.1113	-.1113	-.1117	-.1129	.0846
135.000			-.1162	-.1095	-.0867	.1469
141.000						
180.000		-.1090	-.1162	-.1205	-.1030	.0275
186.000						

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OF POOR QUALITY

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TABULATED SOURCE DATA - 1A82C

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(RESH38)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (3) = 3.978 BETA (1) = .008

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.0841

-.1158

.0280

-.0897

.0993

-.1140

-.1163

-.0007

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RE5H39) (13-JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 4.000 ELV-08 = -4.000

ALPHA (1) = -3.969 BETA (1) = .008 RN/L = 2.1094 MACH = 2.9974 Q(PSF) = 373.35 PS = 2172.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0505 .0650 .0566 .0548 .0476 .0207
 45.000 .0623 .0441 .0442 .0445 .1378
 90.000 .0543 .0449 .0445 .0498 .2240
 135.000 .0460 .0452 .0453 .0392 .0923
 180.000 .0456 .1370 .0661 .0623 .0152
 219.000 .0536 .0528 .0752 .0623 .0152
 225.000 .0536 .0528 .0752 .0623 .0152
 270.000 .0536 .0528 .0752 .0623 .0152
 315.000 .0536 .0528 .0752 .0623 .0152

ALPHA (2) = .191 BETA (1) = -3.992 RN/L = 2.1067 MACH = 2.9974 Q(PSF) = 373.71 PS = 2174.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0583 .0587 .0559 .0686 .0701 .0508
 45.000 .0579 .0287 .0242 .0308 .0346 .1446
 90.000 .0287 .0242 .0308 .0346 .0591 .3087
 135.000 .0511 .0462 .0425 .0482 .0731
 180.000 .0465 .1801 .0606
 219.000 .0867 .0950 .0641 .0682
 225.000 .0867 .0950 .0641 .0682
 270.000 .0867 .0950 .0641 .0682
 315.000 .0867 .0950 .0641 .0682

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ARC87044 1A82 OTS(SR3=N MPS=N) ET BASE (RESH39)

ALPHA (2) = .144 BETA (2) = .011 RN/L = 2.1067 MACH = 2.9974 Q(PSF) = 373.71 PS = 2174.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0487	.0737	.0705	.0723	.0670	.0477
45.000			.0659			
90.000		.0479	.0494	.0519	.0526	.1328
135.000			.0358	.0307	.0186	
141.000						.1448
180.000		.0452	.0388	.0375	.0334	
185.000						.0497
219.000						.1115
225.000			.0395			
270.000	.0585	.0555	.1442	.0708	.0682	.0793
315.000			.0821			.0402

ALPHA (2) = -.138 BETA (3) = 4.008 RN/L = 2.1067 MACH = 2.9974 Q(PSF) = 373.71 PS = 2174.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0366	.0650	.0658	.0698	.0666	.0314
45.000			.0760			
90.000		.0779	.0798	.0810	.0734	.0651
135.000			.0411	.0458	.0416	
141.000						.1027
180.000		.0457	.0430	.0454	.0435	
186.000						.0947
219.000						.2755
225.000			.0434			
270.000	.0419	.0442	.1358		.1152	.1152
315.000			.0677	.0575	.0522	.0360

ALPHA (3) = 3.981 BETA (1) = .011 RN/L = 2.1027 MACH = 2.9974 Q(PSF) = 373.59 PS = 2172.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0611	.0907	.0903	.0945	.0915	.0782
45.000			.0819			
90.000		.0683	.0728	.0744	.0510	.1089
135.000			.0512	.0517	.0343	
141.000						.1453
180.000		.0592	.0516	.0544	.0529	
186.000						.0691

C.7

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TABULATED SOURCE DATA - 1A82C

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(RESH39)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (3) = 3.991 BETA (1) = .011

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.0520

.1618

.0964

.0975

.1025

.0706

.0668

.0843

.0831

ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RES440) (13 JAN 75)

REFERENCE DATA

SREF = 2630.0000 SO.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 4.000 ELV-08 = -4.000

ALPHA (1) = -4.084 BETA (1) = -.086 RN/L = 1.6397 MACH = 3.4978 Q(PSF) = 243.77 PS = 2164.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	-.0601	-.0968	-.0903	-.0817	-.0927	-.0596
45.000				-.0915			
90.000			-.0909	-.0921	-.0886	-.0921	.1371
135.000				-.0915	-.0764	-.0451	
141.000							.2543
180.000			-.0967	-.0932	-.0946	-.0596	
185.000							.0823
219.000							.1177
225.000				-.0932			.1775
270.000		-.0822	-.0326	.1411			.0032
315.000				-.0474	-.0927	-.0805	

ALPHA (2) = -.039 BETA (1) = -4.086 RN/L = 1.6408 MACH = 3.4978 Q(PSF) = 244.06 PS = 2166.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	-.0604	-.0860	-.0883	-.0802	-.0918	-.0657
45.000				-.0900			
90.000			-.0900	-.0924	-.0895	-.0930	.1135
135.000				-.0929	-.0727	-.0188	
141.000							.3013
180.000			-.0353	-.0947	-.0924	-.0692	
185.000							.0464
219.000							.0528
225.000				-.0970			.0777
270.000		-.0819	-.0918	.1413			.1413
315.000				-.0472	-.0912	-.0907	-.0401

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RE5H40)
 ALPHA (2) = -.278 BETA (2) = -.066 RN/L = 1.6408 MACH = 3.4978 Q(PSF) = 244.06 PS = 2166.9

SECTION (1) ET BASE DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0657						
45.000			-.0825	-.0848	-.0759	-.0904	-.0469
90.000				-.0848			
135.000			-.0866	-.0871	-.0834	-.0875	.1189
141.000				-.0912	-.0834	-.0701	
180.000							.2049
186.000			-.0918	-.0953	-.0910	-.0771	
219.000							.0336
225.000				-.0964			.0661
270.000		-.0819	-.0883	.1426			.1579
315.000				-.0423	-.0869	-.0840	-.0024

ALPHA (2) = -.372 BETA (3) = 3.917 RN/L = 1.6408 MACH = 3.4978 Q(PSF) = 244.06 PS = 2166.9

SECTION (1) ET BASE DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0672						
45.000			-.0863	-.0880	-.0811	-.0933	-.0649
90.000				-.0880			
135.000			-.0863	-.0869	-.0869	-.0898	.0145
141.000				-.0857	-.0875	-.0904	
180.000							.1480
186.000			-.0886	-.0859	-.0910	-.0939	
219.000							.0645
225.000				-.0920			.1115
270.000		-.0834	-.0892	.1396			.0291
315.000				-.0487	-.0945	-.0834	

ALPHA (3) = 3.822 BETA (1) = -.086 RN/L = 1.6428 MACH = 3.4978 Q(PSF) = 244.09 PS = 2167.8

SECTION (1) ET BASE DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0642						
45.000			-.0787	-.0805	-.0710	-.0884	-.0310
90.000				-.0822			
135.000			-.0839	-.0857	-.0820	-.0860	.0490
141.000				-.0898	-.0855	-.0756	
180.000							.1788
186.000			-.0674	-.0698	-.0936	-.0837	.0156

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DATE 05 FEB 75

TABULATED SOURCE DATA - 1A82C

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(RESH40)

ET BASE

ARC87044 1A82 OTS(SRB-OFF MPS=OFF)

ALPHA (3) = 3.822 BETA (1) = -.086

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI

219.000

225.000

270.000

315.000

.0481

-.0898

.1435

-.0793

-.0857

-.0408

-.0831

-.0872

.1149

-.0024

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RESM41) (13 JAN 75)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

REFERENCE DATA

SREF = 2630.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 4.000 ELV-08 = -4.000

ALPHA (1) = -4.112 BETA (1) = -.086 RN/L = 1.6399 MACH = 3.4978 Q(PSF) = 244.41 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0908 .0671 .0543 .0566 .0520 .0502
 45.000 .0752
 90.000 .0711 .0769 .0728 .0931
 135.000 .0827 .0861 .0740 .2568
 141.000
 180.000 .0804 .0833 .0867 .0832
 186.000 .1125
 219.000 .1351
 225.000 .0839
 270.000 .0787 .0734 .2517 .1055
 315.000 .1041 .0838 .0786 .0638

ALPHA (2) = -.204 BETA (1) = -4.083 RN/L = 1.6424 MACH = 3.4978 Q(PSF) = 244.73 PS = 2172.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0769 .0816 .0903 .0901 .0884 .0566
 45.000 .0850
 90.000 .0665 .0613 .0652 .0693 .1300
 135.000 .0764 .0797 .0820 .3034
 141.000
 180.000 .0775 .0775 .0722 .0606
 186.000 .0945
 219.000 .0609
 225.000 .0775
 270.000 .1065 .1285 .2929 .1141
 315.000 .1138 .0937 .0785 .0574

ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RE5H41)

ALPHA (2) = -.094 BETA (2) = -.086 RN/L = 1.7424 MACH = 3.4978 Q(PSF) = 244.73 PS = 2172.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0570	.0690	.0529	.0535	.0471	.0471
45.000			.0651			
90.000		.0512	.0535	.0546	.0386	
135.000			.0529	.0402	.0263	
141.000					.1980	
180.000		.0483	.0489	.0494	.0471	
186.000					.0661	
219.000					.0754	
225.000			.0489			
270.000	.0691	.0645	.2391		.1419	
315.000			.1021	.0778	.0720	.0644

ALPHA (2) = -.116 BETA (3) = 3.917 RN/L = 1.6424 MACH = 3.4978 Q(PSF) = 244.73 PS = 2172.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0686	.0646	.0640	.0711	.0659	.0480
45.000			.0744			
90.000		.1022	.1092	.1070	.1058	.0960
135.000			.1103	.0746	.0654	
141.000					.1687	
180.000		.0744	.0709	.0711	.0683	
186.000					.0871	
219.000					.1861	
225.000			.0715			
270.000	.0570	.0553	.2296		.1108	
315.000			.0943	.0729	.0683	.0541

ALPHA (3) = 3.875 BETA (1) = -.089 RN/L = 1.6396 MACH = 3.4978 Q(PSF) = 244.41 PS = 2169.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.1093	.1064	.1035	.1046	.0982	.0675
45.000			.1081			
90.000		.1093	.1099	.1092	.1051	.0785
135.000			.1070	.1057	.0895	
141.000					.1988	
180.000		.1081	.1052	.1075	.1046	
186.000					.1090	

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TABULATED SOURCE DATA - 1A82C

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(RE5H41)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (3) = 3.875 BETA (1) = -.089

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.0933

.1052

.2695

.1277

.1122

.1081

.1104

.1069

.1322

.0736

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(RESH42) (13 JAN 75)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = 10.000 ELV-08 = -4.000

ALPHA (1) = -3.800 BETA (1) = -.046 RN/L = 2.6457 MACH = 2.5975 Q(PSF) = 505.33 PS = 2125.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.1132		-.1480	-.1497	-.1468	-.1552	-.0553
45.000			-.1491				
90.000			-.1550	-.1583	-.1558	-.1572	.0961
135.000				-.1586	-.1504	-.0869	
141.000							.2290
180.000			-.1628	-.1583	-.1538	-.1006	
186.000							.0823
219.000				-.1581			.2304
225.000			-.1415	-.1508	-.0612		.1002
270.000							.0071
315.000				-.1356	-.1496	-.1429	

ALPHA (2) =

- .478 BETA (1) = -4.042 RN/L = 2.6115 MACH = 2.5975 Q(PSF) = 504.76 PS = 2123.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.1031		-.1320	-.1334	-.1304	-.1329	-.0721
45.000				-.1340			
90.000			-.1399	-.1337	-.1430	-.1435	.1477
135.000				-.1334	-.1225	-.0251	
141.000							.3297
180.000			-.1447	-.1506	-.1393	-.1321	
186.000							.0370
219.000							.0544
225.000			-.1290	-.1430			.0589
270.000							.0412
315.000				-.1298	-.1393	-.1433	

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) (RES#42)

ALPHA (2) = .141 BETA (2) = -.042 RN/L = 2.6115 MACH = 2.5975 Q(PSF) = 504.76 PS = 2123.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	-.1118	-.1388	-.1393	-.1360	-.1439	-.0571
45.000			-.1388			
90.000		-.1455	-.1385	-.1444	-.1466	.1025
135.000			-.1392	-.1061	-.0389	.2329
141.000						
180.000		-.1500	-.1377	-.1494	-.1052	.0614
186.000						.1664
219.000						
225.000			-.1377			
270.000	-.1315	-.1391	-.0517			.1024
315.000			-.1282	-.1410	-.1424	.0017

ALPHA (2) = .888 BETA (3) = 3.961 RN/L = 2.6115 MACH = 2.5975 Q(PSF) = 504.76 PS = 2123.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	-.1103	-.1347	-.1344	-.1321	-.1360	-.0702
45.000			-.1364			
90.000		-.1311	-.1367	-.1332	-.1340	.0080
135.000			-.1361	-.1309	-.1343	.0727
141.000						
180.000		-.1375	-.1358	-.1511	-.1525	.0929
186.000						.3365
219.000						
225.000			-.1358			
270.000	-.1302	-.1358	-.0517			.1558
315.000			-.1245	-.1382	-.1435	.0373

ALPHA (3) = 4.116 BETA (1) = -.042 RN/L = 2.5966 MACH = 2.5975 Q(PSF) = 504.65 PS = 2123.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	-.1049	-.1268	-.1248	-.1217	-.1284	-.0391
45.000			-.1251			
90.000		-.1310	-.1248	-.1329	-.1321	.0788
135.000			-.1243	-.0831	-.0077	.2681
141.000						
180.000		-.1400	-.1240	-.1340	-.1195	.0652
186.000						

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 015(SRB=OFF MPS=OFF) ET BASE (RESH42)

ALPHA (3) = 4.116 BETA (1) = -.042

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

.PHI

219.000
225.000
270.000
315.000

-.1201 -.1279 -.1240
-.1209 -.1309 -.1335
.0956
.1222
-.0055

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH43) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-IB = 10.000 ELV-OB = -4.000

ALPHA (1) = -3.728 BETA (1) = -.042 RN/L = 2.6050 MACH = 2.5975 Q(PSF) = 511.54 PS = 2152.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0000	.0214	.0302	.0344	.0381	.0381	.0224
45.000				.0247			
90.000			.0175	.0244	.0017	-.0190	.0694
135.000			-.0238	-.0257	-.0207		
141.000							.2166
180.000			.0014	-.0251	-.0041	-.0022	
186.000							.0885
219.000				-.0249			.2468
225.000				.0699			.1773
270.000		.0283	.0322	.0412	.0348	.0321	.0198
315.000							

ALPHA (2) = -.490 BETA (1) = -4.042 RN/L = 2.5999 MACH = 2.5975 Q(PSF) = 511.54 PS = 2152.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0000	.0192	.0114	.0111	.0070	.0042	-.0431
45.000				.0106			
90.000			-.0188	-.0363	-.0350	-.0323	.1442
135.000			-.0180	.0178	.0479		
141.000							.3289
180.000		.0192	.0216	.0241	.0252		
186.000							.0442
219.000							.0680
225.000							.0605
270.000		.0203	.0216	.0659			
315.000			.0172	.0131	.0100	-.0414	

ARC87044 1A82 QTS(SRB=N) MPS=N) ET BASE (RESH43)

ALPHA (2) = .194 BETA (2) = -.042 RN/L = 2.5999 MACH = 2.5975 Q(PSF) = 511.54 PS = 2152.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0131 .0228 .0344 .0392 .0436 .0079
 45.000 .0239 .0239 .0092 -.0131 -.0327 .1024
 90.000 .0092 .0083 .0052 .0234 .2317
 135.000 .0083 .0086 .0143 .0148 .0678
 141.000 .0103 .0086 .0143 .0148 .1631
 180.000 .0103 .0086 .0143 .0148 .0974
 186.000 .0103 .0086 .0143 .0148 .0033
 219.000 .0103 .0086 .0143 .0148 .0974
 225.000 .0103 .0086 .0143 .0148 .0033
 270.000 .0103 .0086 .0143 .0148 .0974
 315.000 .0103 .0086 .0143 .0148 .0033

ALPHA (2) = .860 BETA (3) = 3.961 RN/L = 2.5999 MACH = 2.5975 Q(PSF) = 511.54 PS = 2152.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0200 .0178 .0172 .0171 .0130 -.0323
 45.000 .0222 .0222 .0222 .0222 .0213
 90.000 .0452 .0452 .0434 .0390 .0213
 135.000 .0455 .0455 .0207 .0055 .0752
 141.000 .0172 .0200 .0152 .0066 .0896
 180.000 .0172 .0200 .0152 .0066 .3303
 186.000 .0172 .0200 .0152 .0066 .1619
 219.000 .0172 .0200 .0152 .0066 .0370
 225.000 .0172 .0200 .0152 .0066 .1619
 270.000 .0172 .0200 .0152 .0066 .0370
 315.000 .0172 .0200 .0152 .0066 .0370

ALPHA (3) = 4.022 BETA (1) = -.042 RN/L = 2.5935 MACH = 2.5975 Q(PSF) = 511.54 PS = 2152.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0131 .0250 .0302 .0323 .0293 -.0144
 45.000 .0255 .0255 .0255 .0255 .0255
 90.000 .0186 .0186 .0119 -.0050 -.0160 .0733
 135.000 .0186 .0186 .0119 -.0050 -.0160 .0733
 141.000 .0186 .0186 .0119 -.0050 -.0160 .0733
 180.000 .0028 -.0052 .0091 .0174 .2610
 186.000 .0028 -.0052 .0091 .0174 .0815

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RESH43)

ET BASE

MPS=N

ARC37044 1A82 OTS(SRB=N

ALPHA (3) = 4.022 BETA (1) = -.042

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.0973

-.0052

.1230

-.0019

.0349

.0374

.0381

.0254

.0257

.0254

ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE

(RES444) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-10 = 10.000 ELV-08 = -4.000

ALPHA (1) = -3.978 BETA (1) = .011 RN/L = 2.0661 MACH = 2.9974 Q(PSF) = 364.84 PS = 2121.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0819		-.1134	-.1146	-.1115	-.1220	-.0603
45.000				-.1153			
90.000			-.1196	-.1196	-.1193	-.1216	.1111
135.000				-.1200	-.0944	-.0475	
141.000							.2324
180.000			-.1285	-.1196	-.1092	-.0770	
186.000							.0969
219.000							.1924
225.000				-.1196			.1322
270.000		-.1080	-.1184	.0293			.0157
315.000				-.0913	-.1177	-.1057	

ALPHA (2) =

-638

BETA (1) =

-3.992

RN/L =

2.0632

MACH =

2.9974

Q(PSF) =

364.63

PS =

2121.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0795		-.1091	-.1114	-.1062	-.1125	-.0783
45.000				-.1114			
90.000			-.1126	-.1145	-.1117	-.1128	.1487
135.000				-.1184	-.0876	-.0042	
141.000							.3185
180.000			-.1203	-.1192	-.1140	-.0919	
186.000							.0495
219.000							.0685
225.000				-.1180			.0332
270.000		-.1025	-.1137	.0327			-.0446
315.000				-.0911	-.1144	-.1171	

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) (RESH44)

ALPHA (2) = .081 BETA (2) = .011 RN/L = 2.0632 MACH = 2.9974 Q(PSF) = 364.63 PS = 2121.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0838		-.1087	-.1105	-.1065	-.1193	-.0522
45.000				-.1106			
90.000			-.1122	-.1118	-.1096	-.1115	.1130
135.000				-.1180	-.0987	-.0708	.1572
141.000							
180.000			-.1138	-.1192	-.1185	-.0933	.0383
186.000							.0954
219.000							.0791
225.000			-.1036	-.1114			-.0036
270.000				-.0875	-.1138	-.1107	
315.000							

ALPHA (3) = 4.075 BETA (1) = .014 RN/L = 2.0586 MACH = 2.9974 Q(PSF) = 364.59 PS = 2120.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0788		-.0974	-.0986	-.0940	-.1092	-.0316
45.000				-.1002			
90.000			-.0986	-.1009	-.0987	-.1018	.0844
135.000				-.1002	-.0898	-.0587	.1731
141.000							
180.000			-.1037	-.1002	-.1127	-.0983	.0352
186.000							.0717
219.000							.0970
225.000			-.0951	-.1029			-.0052
270.000				.0386	-.1002	-.1037	
315.000				-.0766			

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESHNS) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 50.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 10.000 ELV-08 = -4.000

ALPHA (1) = -3.966 BETA (1) = .014 RN/L = 2.0993 MACH = 2.9974 Q(PSF) = 373.47 PS = 2172.7

SECTION (1) ET BASE DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0477	.0690	.0599	.0589	.0525	.0241	
.000			.0690				
45.000		.0546	.0489	.0491	.0487	.1188	
90.000			.0473	.0283	.0411		
135.000						.2205	
180.000		.0360	.0473	.0343	.0328		
225.000						.0957	
270.000	.0523	.0508	.0477			.1222	
315.000			.0763	.0665	.0631	.0202	

ALPHA (2) = -.619 BETA (1) = -3.986 RN/L = 2.0971 MACH = 2.9974 Q(PSF) = 373.51 PS = 2172.7

SECTION (1) ET BASE DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0567	.0575	.0659	.0669	.0707	.0537	
.000			.0583				
45.000		.0260	.0257	.0314	.0363	.1672	
90.000			.0234	.0439	.0548		
135.000						.3211	
180.000		.0503	.0238	.0374	.0454		
225.000						.0757	
270.000						.0640	
315.000	.0882	.0969	.0245			.0556	
			.1797	.0764	.0620	.0666	.0439

DATE 06 FEB 70

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RE5H45)

ALPHA (2) = .225 BETA (2) = .011 RN/L = 2.0971 MACH = 2.9974 Q(PSF) = 373.51 PS = 2172.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0473	.0728	.0697	.0716	.0666	.0466
45.000			.0644			
90.000		.0473	.0485	.0515	.0515	.1272
135.000			.0473	.0292	.0193	
141.000						.1450
180.000		.0432	.0470	.0382	.0360	
186.000						.0547
219.000						.1014
225.000	.0595	.0557	.0473			.0737
270.000			.1458	.0723	.0708	.0410
315.000			.0833			

ALPHA (2) = .753 BETA (3) = 4.011 RN/L = 2.0971 MACH = 2.9974 Q(PSF) = 373.51 PS = 2172.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0342	.0515	.0542	.0561	.0535	.0370
45.000			.0760			
90.000		.0601	.0824	.0828	.0760	.0703
135.000			.0399	.0438	.0415	
141.000						.1005
180.000		.0460	.0361	.0445	.0423	
186.000						.0907
219.000			.0369			.2670
225.000	.0407	.0437	.1347			.1028
270.000			.0623	.0510	.0445	.0334
315.000						

ALPHA (3) = 4.137 BETA (1) = .011 RN/L = 2.0915 MACH = 2.9974 Q(PSF) = 373.47 PS = 2173.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0551	.0888	.0881	.0919	.0893	.0764
45.000			.0756			
90.000		.0699	.0729	.0715	.0423	.1002
135.000			.0661	.0518	.0336	
141.000						.1561
180.000		.0589	.0668	.0548	.0544	
186.000						.0787

DATE 05 FEB 75

TABULATED SOURCE DATA - 1A82C

PAGE 504

ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH45)

ALPHA (3) = 4.137 BETA (1) = .011

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
219.000							.0897
225.000				.0668			
270.000		.0744	.0729	.1653	.0977		
315.000				.0999	.0896	.0904	.0746

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RES446) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

ALPHA (1) = -4.256 BETA (1) = -.086 RN/L = 1.6001 MACH = 3.4978 Q(PSF) = 238.51 PS = 2117.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0630		-.0858	-.0909	-.0809	-.0951	-.0649
45.000			-.0898	-.0915	-.0874	-.0927	.1161
90.000			-.0909	-.0909	-.0678	-.0447	.2446
135.000			-.0945	-.0904	-.0827	-.0619	.0819
180.000							.1306
219.000							.1816
225.000							.0100
270.000							
315.000							

ALPHA (2) = -.778 BETA (1) = -4.083 RN/L = 1.6007 MACH = 3.4978 Q(PSF) = 238.64 PS = 2118.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0589		-.0856	-.0892	-.0777	-.0901	-.0688
45.000			-.0910	-.0910	-.0883	-.0925	.1327
90.000			-.0898	-.0922	-.0705	-.0166	.3079
135.000			-.0922	-.0916	-.0907	-.0676	.0497
141.000							.0538
180.000							.0776
186.000							-.0429
219.000							
225.000							
270.000							
315.000							

ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RE5H46)

ALPHA (2) = -.147 BETA (2) = -.086 RN/L = 1.6007 MACH = 3.4978 Q(PSF) = 238.64 PS = 2118.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0654	-.0832	-.0856	-.0750	-.0916	-.0495	
45.000		-.0850					
90.000		-.0874	-.0886	-.0839	-.0886	.1152	
135.000			-.0880	-.0833	-.0679	.2127	
141.000							
180.000		-.0927	-.0880	-.0928	-.0785		
196.000						.0346	
219.000						.0607	
225.000			-.0874				
270.000	-.0815	-.0892	.1484			.1503	
315.000		-.0418	-.0874	-.0868	-.0058		

ALPHA (2) = .540 BETA (3) = 3.917 RN/L = 1.6007 MACH = 3.4978 Q(PSF) = 238.64 PS = 2118.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0693	-.0865	-.0889	-.0785	-.0922	-.0507	
45.000		-.0889	-.0889				
90.000		-.0855	-.0877	-.0833	-.0874	.0240	
135.000			-.0871	-.0850	-.0898		
141.000						.1465	
180.000		-.0889	-.0865	-.0892	-.0922		
196.000						.0557	
219.000						.1750	
225.000			-.0865				
270.000	-.0841	-.0901	.1455			.1038	
315.000		-.0465	-.0933	-.0821	.0242		

ALPHA (3) = 3.878 BETA (1) = -.083 RN/L = 1.5998 MACH = 3.4978 Q(PSF) = 238.51 PS = 2118.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0645	-.0782	-.0800	-.0690	-.0856	-.0305	
45.000		-.0817					
90.000		-.0835	-.0859	-.0809	-.0850	.0335	
135.000			-.0859	-.0773	-.0613		
141.000						.1993	
180.000		-.0833	-.0847	-.0898	-.0827		
196.000						.0145	

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TABULATED SOURCE DATA - 1A82C

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(RESH46)

ET BASE

ARC87044 1A82 OTS(SRB-OFF MPS-OFF)

ALPHA (3) = 3.878 BETA (1) = -.083

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000
225.000
270.000
315.000

-.0782 -.0853 -.0847 -.0341
-.0370 -.0809 -.0850 -.0116

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ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

(RESH47)

(13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

ALPHA (1) = -4.134 BETA (1) = -.083 RN/L = 1.6406 MACH = 3.4978 Q(PSF) = 245.92 PS = 2183.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0728		.0612	.0509	.0543	.0486	.0469
45.000			.0739		.0727	.0693	.0906
90.000			.0710	.0745	.0699	.0532	.2230
135.000				.0745	.0693	.0664	
141.000			.0687	.0745	.0693	.0664	
180.000							.0888
196.000							.1429
219.000							.1113
225.000			.0595	.0566	.0929	.0716	.0676
270.000							.0640
315.000							

ALPHA (2) = -.635 BETA (1) = -4.086 RN/L = 1.6413 MACH = 3.4978 Q(PSF) = 245.92 PS = 2183.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0781		.0810	.0885	.0875	.0841	.0531
45.000			.0631	.0839	.0605	.0640	.1507
90.000				.0568	.0732	.0749	
135.000				.0557			.3061
141.000			.0764	.0557	.0657	.0548	
180.000							.0965
196.000							.0626
219.000							.1202
225.000		.1086	.1305	.0562			.0465
270.000				.2909	.0749	.0686	
315.000				.1082			

ALPHA (2) = -.062 BETA (2) = -.089 RN/L = 1.6413 MACH = 3.4978 Q(PSF) = 245.92 PS = 2183.3

SECTION (1) ET BASE (RESH47)

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0546	.0672	.0523	.0529	.0465	.0465
45.000				.0655			
90.000			.0500	.0534	.0517	.0994	
135.000				.0528	.0419	.0287	
141.000						.1967	
180.000			.0489	.0528	.0511	.0494	
186.000						.0718	
219.000				.0534		.0729	
225.000			.0724	.0694		.1415	
270.000				.1035	.0787	.0730	
315.000						.0631	

ALPHA (2) = .522 BETA (3) = 3.914 RN/L = 1.6413 MACH = 3.4978 Q(PSF) = 245.92 PS = 2183.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0503	.0615	.0730	.0747	.0759	.0575
45.000				.0828			
90.000			.1128	.1162	.1150	.1150	.1109
135.000				.0793	.0592	.0540	
141.000						.1562	
180.000			.0719	.0678	.0741	.0753	
186.000						.0796	
219.000				.0684		.1038	
225.000		.0523	.0546	.2276	.0707	.0690	.0589
270.000				.0908			
315.000							

ALPHA (3) = 3.853 BETA (1) = -.083 RN/L = 1.6420 MACH = 3.4978 Q(PSF) = 245.92 PS = 2183.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0969	.1049	.1038	.1032	.0957	.0704
45.000				.0963			
90.000			.0934	.0951	.0957	.0906	.0676
135.000				.0917	.0905	.0888	
141.000						.2074	
180.000			.0900	.0923	.0929	.0940	
186.000						.0969	

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TABULATED SOURCE DATA - 1A82C

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(RESHA7)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (3) = 3.853 BETA (1) = -.082

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.0928

.2780

.1302

.1084

.0738

.1378

.0894

.1078

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RESH48) (13 JAN 75)

ET BASE

ARC87044 1A82 QTS(SRB-OFF MPS-OFF)

REFERENCE DATA

SRFP = 2890.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LRFP = 1290.3000 FT. YMRP = .0000 IN.YT
 BRFP = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.500 PT = 15.100
 ELV-1B = 8.000 ELV-08 = -4.000

ALPHA (1) = -3.859 BETA (1) = -4.039 RN/L = 2.5898 MACH = 2.5975 Q(PSF) = 503.92 PS = 2120.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9450 1.0000

PHI

.000 -.1090 -.1447 -.1475 -.1422 -.1512 -.0741
 45.000 -.1464
 90.000 -.1535 -.1459 -.1526 -.1549 .1577
 135.000 -.1456 -.1509 -.0729 .3085
 141.000
 180.000 -.1546 -.1470 -.1512 -.1309
 186.000 .0688
 219.000 .1017
 225.000
 270.000 -.1408 -.1546 -.1464
 315.000 -.0531
 -.1354 -.1470 -.1532 -.0404

ALPHA (1) = -3.859 BETA (2) = -.042 RN/L = 2.5898 MACH = 2.5975 Q(PSF) = 503.92 PS = 2120.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1164 -.1445 -.1476 -.1404 -.1525 -.0541
 45.000 -.1468
 90.000 -.1559 -.1465 -.1565 -.1582 .0717
 135.000 -.1619 -.1511 -.0923 .2167
 141.000
 180.000 -.1609 -.1625 -.1497 -.1047
 186.000
 219.000
 225.000 -.1619
 270.000 -.1482 -.0575
 315.000 -.1400 -.1303 -.1447 -.1404 .0199

ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH48)

ALPHA (1) = -3.928 BETA (3) = 3.958 RN/L = 2.5898 MACH = 2.5975 Q(PSF) = 503.92 PS = 2120.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .1147 - .1487 - .1496 - .1463 - .1570 - .0731
 45.000 - .1490 - .1490 - .1490 - .1490 - .1490 - .1490
 90.000 - .1487 - .1487 - .1487 - .1487 - .1487 - .1487
 135.000 - .1518 - .1518 - .1518 - .1518 - .1518 - .1518
 141.000 - .1516 - .1516 - .1516 - .1516 - .1516 - .1516
 180.000 - .1479 - .1479 - .1479 - .1479 - .1479 - .1479
 186.000 - .1513 - .1513 - .1513 - .1513 - .1513 - .1513
 219.000 - .1505 - .1505 - .1505 - .1505 - .1505 - .1505
 225.000 - .1316 - .1316 - .1316 - .1316 - .1316 - .1316
 270.000 - .3358 - .3358 - .3358 - .3358 - .3358 - .3358
 315.000 - .2477 - .2477 - .2477 - .2477 - .2477 - .2477
 - .1442 - .1507 - .1507 - .1507 - .1507 - .1507
 - .1376 - .1553 - .1553 - .1553 - .1553 - .1553
 - .1401 - .0587 - .0587 - .0587 - .0587 - .0587

ALPHA (2) = -.725 BETA (1) = -4.042 RN/L = 2.5687 MACH = 2.5975 Q(PSF) = 503.81 PS = 2120.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .1063 - .1342 - .1359 - .1312 - .1343 - .0712
 45.000 - .1353 - .1353 - .1353 - .1353 - .1353 - .1353
 90.000 - .1423 - .1423 - .1423 - .1423 - .1423 - .1423
 135.000 - .1446 - .1446 - .1446 - .1446 - .1446 - .1446
 141.000 - .1414 - .1414 - .1414 - .1414 - .1414 - .1414
 180.000 - .1511 - .1511 - .1511 - .1511 - .1511 - .1511
 186.000 - .1338 - .1338 - .1338 - .1338 - .1338 - .1338
 219.000 - .0369 - .0369 - .0369 - .0369 - .0369 - .0369
 225.000 - .0532 - .0532 - .0532 - .0532 - .0532 - .0532
 270.000 - .0569 - .0569 - .0569 - .0569 - .0569 - .0569
 315.000 - .1312 - .1312 - .1312 - .1312 - .1312 - .1312
 - .1408 - .1456 - .1456 - .1456 - .1456 - .1456
 - .0428 - .0428 - .0428 - .0428 - .0428 - .0428

ALPHA (2) = -.006 BETA (2) = -.042 RN/L = 2.5687 MACH = 2.5975 Q(PSF) = 503.81 PS = 2120.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .1134 - .1407 - .1415 - .1370 - .1508 - .0546
 45.000 - .1412 - .1412 - .1412 - .1412 - .1412 - .1412
 90.000 - .1477 - .1477 - .1477 - .1477 - .1477 - .1477
 135.000 - .1401 - .1401 - .1401 - .1401 - .1401 - .1401
 141.000 - .1052 - .1052 - .1052 - .1052 - .1052 - .1052
 180.000 - .2346 - .2346 - .2346 - .2346 - .2346 - .2346
 186.000 - .1041 - .1041 - .1041 - .1041 - .1041 - .1041
 - .0604 - .0604 - .0604 - .0604 - .0604 - .0604

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TABULATED SOURCE DATA - 1A82C

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(RESH48)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (2) = -.006 BETA (2) = -.042

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .1640
 225.000 -.1398
 270.000 -.1339 -.1421 -.0521 .0993
 315.000 -.1283 -.1415 -.1407 .0016

ALPHA (2) = .635 BETA (3) = 3.970 RN/L = 2.5687 MACH = 2.5975 Q(PSF) = 503.81 PS = 2120.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1111
 45.000 -.1368 -.1370 -.1324 -.1386 -.0680
 90.000 -.1365
 135.000 -.1334 -.1359 -.1344 -.1352 .0108
 141.000 -.1356 -.1296 -.1338 .0743
 180.000 -.1393 -.1356 -.1501 -.1518 .0945
 186.000 .3378
 219.000
 225.000 -.1348
 270.000 -.1325 -.1384 -.0525 .1558
 315.000 -.1248 -.1397 -.1417 .0380

ALPHA (3) = 4.194 BETA (1) = -4.055 RN/L = 2.5559 MACH = 2.5975 Q(PSF) = 503.81 PS = 2119.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1040
 45.000 -.1279 -.1282 -.1259 -.1295 -.0532
 90.000 -.1295
 135.000 -.1322 -.1279 -.1368 -.1371 .0394
 141.000 -.1395 -.0915 .0349 .4190
 180.000 -.1395 -.1403 -.1273 -.1169 .0235
 186.000 .0527
 219.000
 225.000 -.1398
 270.000 -.1183 -.1276 -.0394 .0654
 315.000 -.1256 -.1346 -.1352 -.0449

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) (RESH48)

ET BASE

ALPHA (3) = 4.063 BETA (2) = -.046 RN/L = 2.5559 MACH = 2.5975 Q(PSF) = 503.81 PS = 2119.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1071
 45.000 -.1293 -.1279 -.1246 -.1342 -.0384
 90.000 -.1274
 135.000 -.1336 -.1359 -.1356 .0763
 141.000 -.1313 -.0852 -.0139 .2614
 180.000 -.1409 -.1313 -.1362 -.1207
 186.000 .0639
 219.000 .0971
 225.000
 270.000 -.1226 -.1299 -.0443 .1217
 315.000 -.1224 -.1337 -.1376 -.0051

ALPHA (3) = 4.110 BETA (3) = 3.954 RN/L = 2.5559 MACH = 2.5975 Q(PSF) = 503.81 PS = 2119.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.1090
 45.000 -.1279 -.1304 -.1243 -.1305 -.0513
 90.000 -.1301
 135.000 -.1248 -.1301 -.1246 -.1257 .0750
 141.000 -.1296 -.1207 -.1238 .0794
 180.000 -.1313 -.1296 -.1491 -.1520
 185.000 .0769
 219.000 .3332
 225.000
 270.000 -.1253 -.1310 -.0471 .1242
 315.000 -.1193 -.1334 -.1435 .0318

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N) MPS=N) ET BASE (RESH=9) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = 8.000 ELV-08 = -4.000

ALPHA (1) = -3.875 BETA (1) = -4.049 RN/L = 2.5672 MACH = 2.5975 Q(PSF) = 512.55 PS = 2157.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0133 .0083 .0083 .0033 -.0003 -.0278
 45.000 .0067
 90.000 -.0215 -.0369 -.0352 -.0328 .1608
 135.000 -.0405 .0085 .0102 .3137
 141.000
 150.000 .0061 -.0104 .0074 .0050 .0654
 185.000 .1015
 219.000
 225.000 -.0102
 270.000 .0199 .0274 .0782 .0455
 315.000 .0184 .0110 .0008 -.0407

ALPHA (1) = -3.741

BETA (2) = -.042

RN/L = 2.5672

MACH = 2.5975

Q(PSF) = 512.55

PS = 2157.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0203 .0300 .0338 .0395 .0395 .0216
 45.000 .0250
 90.000 .0164 .0255 .0011 -.0177 .0694
 135.000 -.0238 -.0252 -.0205 .2170
 141.000
 180.000 .0020 -.0238 -.0042 -.0022 .0868
 186.000 .2458
 219.000
 225.000 -.0235
 270.000 .0275 .0316 .0691 .1532
 315.000 .0418 .0354 .0329 .0178

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TABULATED SOURCE DATA - 1A82C

PI/E 516

P/S

(RE5H49)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

PS = 2157.7

Q(PSE) = 512.55

MACH = 2.5975

BETA (3) = 3.961 RN/L = 2.5672

ALPHA (1) = -3.909

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0032	.0015	.0054	.0122	.0072	-.0212	
45.000			.0068				
90.000		.0413	.0260	.0417	.0433	.0278	
135.000			.0266	.0130	.0109	.1336	
141.000							
180.000		.0021	.0266	-.0345	-.0543		
186.000						.1267	
219.000						.3360	
225.000			.0263				
270.000		-.0068	-.0079	.0419		.2471	
315.000				.0172	.0075	-.0039	.0563

PS = 2169.7

Q(PSE) = 515.58

MACH = 2.5975

BETA (1) = -4.042 RN/L = 2.5752

ALPHA (2) = -.781

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0164	.0089	.0086	.0073	.0051	.0010	-.0463
45.000							
90.000		-.0208	-.0370	-.0345	.1455		
135.000			-.0334	.0161	.0463		
141.000						.3386	
180.000		.0166	.0172	.0221	.0224		
186.000						.0443	
219.000						.0674	
225.000			.0175				
270.000		.0164	.0169	.0623		.0622	
315.000				.0142	.0103	.0073	-.0423

PS = 2169.7

Q(PSE) = 515.58

MACH = 2.5975

BETA (2) = -.046 RN/L = 2.5752

ALPHA (2) = .044

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0081	.0186	.0312	.0352	.0379	-.0008	
45.000			.0213				
90.000		.0040	.0043	.0082	.0085	.1008	
135.000			.0029	.0017	.0242		
141.000						.2391	
180.000		.0048	.0032	.0071	.0082		
186.000						.0695	

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TABULATED SOURCE DATA - 1A82C

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(RESH49)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (2) = .044 BETA (2) = -.046

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .1533
 225.000 .0032
 270.000 .0354 .0497 .0799 .0912
 315.000 .0374 .0335 .0321 .0022

ALPHA (2) = .522 BETA (3) = 3.958 RN/L = 2.5752 MACH = 2.5975 Q(PSF) = 515.58 PS = 2169.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0185 .0163 .0157 .0165 .0140 -.0322
 45.000 .0163 .0248 .0418 .0343 .0244
 90.000 .0416 .0248 .0214 .0066 .0807
 135.000 .0408 .0214 .0066 .0807
 141.000 .0168 .0126 .0033 .0860
 180.000 .0403 .0126 .0033 .3326
 186.000 .0403 .0126 .0033 .0860
 219.000 .0403 .0126 .0033 .0860
 225.000 .0552 .01579
 270.000 .0163 .0119 .0552 .1579
 315.000 .0198 .0132 .0044 .0347

ALPHA (3) = 4.092 BETA (1) = -4.045 RN/L = 2.5635 MACH = 2.5975 Q(PSF) = 515.75 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0281 .0157 .0182 .0208 .0194 -.0331
 45.000 .0212 .0212 .0212 .0212 .0212 .0212
 90.000 .0072 .0072 .0072 .0072 .0072 .0072
 135.000 .0072 .0072 .0072 .0072 .0072 .0072
 141.000 .0361 .0179 .0392 .0419 .0509
 180.000 .0361 .0179 .0392 .0419 .0509
 186.000 .0361 .0179 .0392 .0419 .0509
 219.000 .0182 .0694 .0219 .0188 .0164 -.0404
 225.000 .0182 .0694 .0219 .0188 .0164 -.0404
 270.000 .0171 .0163 .0219 .0188 .0164 -.0404
 315.000 .0171 .0163 .0219 .0188 .0164 -.0404

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N } ET BASE (RE5H49)

ALPHA (3) = 4.034 BETA (2) = -.046 RN/L = 2.5635 MACH = 2.5975 Q(PSF) = 515.75 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0120	.0230	.0287	.0288	.0255	-.0146
45.000			.0232			
90.000		.0177	.0111	-.0058	-.0171	.0684
135.000			.0117	-.0072	.0354	.2542
141.000						
180.000		.0001	-.0109	.0044	.0118	
186.000						.0759
219.000						.0988
225.000			-.0103			.1260
270.000	.0326	.0348	.0829		.0214	-.0008
315.000			.0351	.0222		

ALPHA (3) = 4.100 BETA (3) = 3.961 RN/L = 2.5635 MACH = 2.5975 Q(PSF) = 515.75 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0357	.0313	.0343	.0373	.0340	-.0223
45.000			.0343			
90.000		.0349	.0349	.0305	.0013	.0899
135.000			.0349	.0332	.0151	.0781
141.000						
180.000		.0297	.0357	.0269	.0219	
186.000						.0836
219.000						.3317
225.000			.0357			.1262
270.000	.0324	.0264	.0780			.0338
315.000			.0379	.0288	.0175	

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RE5H50) (13 JAN 75)

REFERENCE DATA

SREF = 2620.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 8.000 ELV-08 = -4.000

ALPHA (1) = -3.960 BETA (1) = -3.986 RN/L = 2.0764 MACH = 2.9974 Q(PSF) = 373.52 PS = 2172.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	-.0600	-.1130	-.1161	-.1104	-.1184	-.0820
45.000				-.1153			
90.000			-.1176	-.1180	-.1150	-.1173	.1856
135.000				-.1180	-.0987	-.0269	.3097
141.000							
180.000			-.1252	-.1176	-.1230	-.0858	.0769
186.000							.0951
219.000				-.1176			.0427
225.000			-.1085	-.1199	.0243		.0363
270.000				-.0945	-.1203	-.1158	
315.000							

ALPHA (1) = -4.050 BETA (2) = -1.995 RN/L = 2.0764 MACH = 2.9974 Q(PSF) = 373.52 PS = 2172.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	-.0877		-.1223	-.1242	-.1075	-.1181	-.0659
45.000				-.1242			
90.000			-.1276	-.1234	-.1140	-.1162	.1526
135.000				-.1227	-.1045	-.0488	.2472
141.000							
180.000			-.1276	-.1227	-.1170	-.0825	.0912
186.000							.1341
219.000				-.1219			.1311
225.000			-.1166	-.1261	.0269		-.0059
270.000				-.0886	-.1151	-.1056	
315.000							

(RESH50)

ET BASE

ARC87044 1A82 QTS(SRB=OFF MPS=OFF)

ALPHA (1) = -3.903 BETA (3) = .008 RN/L = 2.0764 MACH = 2.9974 Q(PSF) = 373.52 PS = 2172.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .0839 - .1151 - .1174 - .1133 - .1235 - .0612
 45.000 - .1170 - .1170 - .1170 - .1170 - .1170 - .1170
 90.000 - .1212 - .1212 - .1212 - .1212 - .1212 - .1212
 135.000 - .1159 - .1159 - .1159 - .1159 - .1159 - .1159
 141.000 - .1159 - .1159 - .1159 - .1159 - .1159 - .1159
 180.000 - .1307 - .1155 - .1098 - .0795
 186.000 .0909
 219.000 .1870
 225.000 - .1151
 270.000 .0235
 315.000 - .1098 - .1208 - .0943 - .1193 - .1068 .1186 .0123

ALPHA (1) = -3.822 BETA (4) = 2.014 RN/L = 2.0764 MACH = 2.9974 Q(PSF) = 373.52 PS = 2172.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .0852 - .1174 - .1201 - .1095 - .1190 - .0675
 45.000 - .1201 - .1201 - .1201 - .1201 - .1201 - .1201
 90.000 - .1159 - .1159 - .1159 - .1159 - .1159 - .1159
 135.000 - .1182 - .1182 - .1182 - .1182 - .1182 - .1182
 141.000 - .1197 - .1182 - .1156 - .1137 .1292
 180.000 .0946
 186.000 .2335
 219.000 - .1178
 225.000 .0254
 270.000 - .1114 - .1205 - .0906 - .1202 - .1035 .1326 .0351
 315.000

ALPHA (1) = -3.875 BETA (5) = 4.017 RN/L = 2.0764 MACH = 2.9974 Q(PSF) = 373.52 PS = 2172.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .0869 - .1181 - .1200 - .1146 - .1241 - .0823
 45.000 - .1193 - .1193 - .1193 - .1193 - .1193 - .1193
 90.000 - .1166 - .1170 - .1170 - .1170 - .1170 - .1170
 135.000 - .1170 - .1170 - .1170 - .1170 - .1170 - .1170
 141.000 - .1181 - .1162 - .1172 - .1214 .1228
 180.000 .1353
 186.000

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TABULATED SOURCE DATA - 1A82C

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(RE5H50)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (1) = -3.875 BETA (5) = 4.017

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
219.000							.2930
225.000							.1927
270.000							.0560
315.000							

ALPHA (2) = -.666 BETA (1) = -3.989 RN/L = 2.0725 MACH = 2.9974 Q(PSF) = 373.52 PS = 2173.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000							
45.000							
90.000							
135.000							
141.000							
180.000							
186.000							
219.000							
225.000							
270.000							
315.000							

ALPHA (2) = -.438 BETA (2) = -1.989 RN/L = 2.0725 MACH = 2.9974 Q(PSF) = 373.52 PS = 2173.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000							
45.000							
90.000							
135.000							
141.000							
180.000							
186.000							
219.000							
225.000							
270.000							
315.000							

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB-OFF MPS-OFF) ET BASE (RES450)

ALPHA (2) = -.094 BETA (3) = .014 RN/L = 2.0725 MACH = 2.9974 Q(PSF) = 373.52 PS = 2173.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0862		-.1113	-.1124	-.1080	-.1205	-.0525
45.000				-.1121			
90.000			-.1147	-.1113	-.1114	-.1140	.1130
135.000				-.1113	-.1019	-.0749	.1509
141.000							
180.000			-.1159	-.1109	-.1197	-.0947	.0369
186.000							.0977
219.000							
225.000				-.1102			.0791
270.000		-.1064	-.1136	.0276			-.0045
315.000				-.0897	-.1156	-.1118	

ALPHA (2) = .072 BETA (4) = 2.017 RN/L = 2.0725 MACH = 2.9974 Q(PSF) = 373.52 PS = 2173.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0869		-.1104	-.1112	-.1050	-.1156	-.0580
45.000				-.1089			
90.000			-.1093	-.1081	-.1050	-.1069	.1047
135.000				-.1078	-.1076	-.1050	.0962
141.000							
180.000			-.1108	-.1070	-.1152	-.1156	.0423
185.000							.1834
219.000				-.1070			.0965
225.000				.0285			.0150
270.000		-.1047	-.1104	-.0845	-.1095	-.1088	
315.000							

ALPHA (2) = .487 BETA (5) = 4.011 RN/L = 2.0725 MACH = 2.9974 Q(PSF) = 373.52 PS = 2173.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0887		-.1111	-.1130	-.1074	-.1173	-.0675
45.000				-.1138			
90.000			-.1100	-.1134	-.1093	-.1108	.0365
135.000				-.1126	-.1066	-.1131	.1022
141.000							
180.000			-.1149	-.1126	-.1203	-.1237	.0730
186.000							

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH50)

ALPHA (2) = .487 BETA (5) = 4.011

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .2643
 225.000 -.1119
 270.000 -.1073 -.1138 .0248 .1003
 315.000 -.0899 -.1176 -.1100 .0316

ALPHA (3) = 4.022 BETA (1) = -3.992 RN/L = 2.0681 MACH = 2.9974 Q(PSF) = 373.52 PS = 2172.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0806
 45.000 -.0999 -.0999 -.0960 -.1028 -.0471
 90.000 -.1087
 135.000 -.1064 -.1132 -.1112 -.1127 .0429
 141.000 -.1132 -.0953 -.0030 .3243
 180.000 -.1125 -.1125 -.1070 -.0911
 186.000 .0248
 219.000 .0392
 225.000 -.1125
 270.000 -.0939 -.1037 .0353 .0441
 315.000 -.0827 -.1059 -.1044 -.0500

ALPHA (3) = 4.078 BETA (2) = -1.989 RN/L = 2.0681 MACH = 2.9974 Q(PSF) = 373.52 PS = 2172.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0804
 45.000 -.0971 -.0971 -.0892 -.0987 -.0353
 90.000 -.1006
 135.000 -.1032 -.1032 -.1033 -.1051 .0572
 141.000 -.1002 -.1002 -.0634 .0121 .2599
 180.000 -.1036 -.0990 -.1033 -.0934
 186.000 .0274
 219.000 .0380
 225.000 -.0990
 270.000 -.0941 -.1040 .0367 .0725
 315.000 -.0756 -.0983 -.0995 -.0287

(RE5H50)

ET BASE

ARC87044 1A82 OTS(SRB-OFF MPS=OFF)

ALPHA (3) = 4.081 BETA (3) = .011 RN/L = 2.0681 MACH = 2.9974 Q(PSF) = 373.52 PS = 2172.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0813	-.1003	-.1022	-.0966	-.1110	-.0302	
45.000			-.1026				
90.000		-.1015	-.1026	-.1000	-.1027	.0836	
135.000			-.1018	-.0906	-.0591		
141.000						.1702	
180.000		-.1064	-.1015	-.1133	-.0981		
186.000						.0339	
219.000				-.1011		.0711	
225.000				.0335			.0942
270.000	-.0969	-.1049		-.0792	-.1027	-.1061	-.0060
315.000							

ALPHA (3) = 4.050 BETA (4) = 2.011 RN/L = 2.0681 MACH = 2.9974 Q(PSF) = 373.52 PS = 2172.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0793	-.0972	-.0983	-.0922	-.1063	-.0300	
45.000			-.0991				
90.000		-.0987	-.0987	-.0957	-.0976	.1016	
135.000			-.0987	-.1021	-.0995	.1023	
141.000							
180.000		-.0983	-.0979	-.1101	-.1070		
186.000						.0344	
219.000						.1387	
225.000				-.0979			.0951
270.000	-.0937	-.0987		.0348	-.1063	.0143	
315.000				-.0756	-.0995		

ALPHA (3) = 4.016 BETA (5) = 4.014 RN/L = 2.0661 MACH = 2.9974 Q(PSF) = 373.52 PS = 2172.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0853	-.1016	-.1028	-.0977	-.1091	-.0423	
45.000			-.1054				
90.000		-.1009	-.1054	-.1000	-.1011	.0758	
135.000			-.1050	-.0989	-.1064		
141.000						.0924	
180.000		-.1062	-.1047	-.1152	-.1190		
186.000						.0518	

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TABULATED SOURCE DATA - 1A82C

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(RESH50)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (3) = 4.016 BETA (5) = 4.014

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .2360

225.000 -.1047

270.000 .0317 .0768

315.000 -.0990 -.1039 -.0814 -.1072 -.1083 .0339

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC67044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH51) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-IB = 8.000 ELV-OB = -4.000

ALPHA (1) = -3.888 BETA (1) = -3.989 RN/L = 2.0650 MACH = 2.9974 Q(PSF) = 373.61 PS = 2173.5

SECTION (1) ET BASE

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000
 DEPENDENT VARIABLE CP

PHI

.000 .0541 .0522 .0567 .0603 .0603 .0508
 45.000 .0529 .0237 .0250 .0311 .1972
 90.000 .0104 .0161 .0424 .0337 .3006
 135.000 .0343 .0165 .0159 .0276 .0854
 180.000 .0761 .0814 .0667 .0694 .1044
 219.000 .0165 .1733 .0600
 225.000 .0857 .0361
 270.000
 315.000

ALPHA (1) = -3.950 BETA (2) = -1.989 RN/L = 2.0650 MACH = 2.9974 Q(PSF) = 373.61 PS = 2173.5

SECTION (1) ET BASE

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000
 DEPENDENT VARIABLE CP

PHI

.000 .0520 .0581 .0536 .0557 .0519 .0307
 45.000 .0517 .0387 .0247 .0303 .0318 .1563
 90.000 .0239 .0405 .0428 .2447
 135.000 .0380 .0239 .0379 .0356 .0932
 180.000 .1339
 219.000 .0243
 225.000 .1430
 270.000 .0577 .0570 .0792 .0705 .1115
 315.000 .0139

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH51)

ALPHA (1) = -3.910 BETA (3) = .014 RN/L = 2.0650 MACH = 2.9974 Q(PSF) = 373.61 PS = 2173.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0441	.0665	.0574	.0602	.0537	.0276
45.000				.0649			
90.000			.0494	.0657	.0492	.0492	.1224
135.000				.0247	.0253	.0390	
141.000							.2183
180.000		.0308		.0213	.0329	.0321	.0903
186.000							.1856
219.000				.0213			
225.000		.0486	.0463	.1345			.1097
270.000				.0765	.0674	.0640	.0181
315.000							

ALPHA (1) = -3.922 BETA (4) = 2.008 RN/L = 2.0650 MACH = 2.9974 Q(PSF) = 373.61 PS = 2173.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0394	.0626	.0580	.0637	.0584	.0334
45.000				.0717			
90.000			.0596	.0725	.0573	.0542	.0846
135.000				.0729	.0440	.0299	
141.000							.1302
180.000		.0539	.0732	.0125	-.0031		.0904
186.000							.2304
219.000				.0729			
225.000		.0379	.0394	.1335			.1162
270.000				.0713	.0580	.0504	.0330
315.000							

ALPHA (1) = -3.997 BETA (5) = 4.008 RN/L = 2.0650 MACH = 2.9974 Q(PSF) = 373.61 PS = 2173.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0385	.0552	.0564	.0643	.0632	.0408
45.000				.0731			
90.000			.0670	.0742	.0761	.0742	.0522
135.000				.0750	.0438	.0275	
141.000							.1393
180.000		.0393	.0434	.0434	.0434	.0355	.1302
186.000							

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(RESH51)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (1) = -3.997 BETA (5) = 4.008

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .2878
 225.000 .0434
 270.000 .0343 .0339 .1282 .1894
 315.000 .0674 .0575 .0476 .0531

ALPHA (2) = -.903 BETA (1) = -3.989 RN/L = 2.0620 MACH = 2.9974 Q(PSF) = 373.59 PS = 2173.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0519 .0534 .0606 .0620 .0654 .0503
 45.000 .0526
 90.000 .0226 .0219 .0286 .0328 .1656
 135.000 .0207 .0415 .0476 .3087
 141.000
 180.000 .0466 .0215 .0336 .0419 .0707
 186.000 .0643
 219.000 .0219
 225.000 .0815 .0918 .1747 .0491
 270.000 .0723 .0571 .0616 .0384
 315.000

ALPHA (2) = -.566 BETA (2) = -1.995 RN/L = 2.0620 MACH = 2.9974 Q(PSF) = 373.59 PS = 2173.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0477 .0502 .0595 .0619 .0585 .0411
 45.000 .0519
 90.000 .0352 .0314 .0358 .0388 .1279
 135.000 .0291 .0418 .0441 .2514
 141.000 .0401 .0291 .0365 .0270 .0743
 180.000 .0751
 186.000
 219.000 .0682 .0739 .0298
 225.000 .1678
 270.000 .0817 .0650 .0654 .0534
 315.000 .0329

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH51)

ALPHA (2) = -.119 BETA (3) = .011 RN/L = 2.0620 MACH = 2.9974 Q(PSF) = 373.59 PS = 2173.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0443 .0701 .0671 .0695 .0645 .0452
 45.000 .0629
 90.000 .0447 .0618 .0494 .0497 .1298
 135.000 .0450 .0270 .0160 .1389
 141.000
 180.000 .0416 .0450 .0342 .0308
 186.000 .0473
 219.000 .1085
 225.000 .0454
 270.000 .0549 .0515 .1412 .0770
 315.000 .0797 .0680 .0664 .0355

ALPHA (2) = .131 BETA (4) = 2.014 RN/L = 2.0620 MACH = 2.9974 Q(PSF) = 373.59 PS = 2173.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0331 .0593 .0578 .0600 .0550 .0323
 45.000 .0685
 90.000 .0628 .0692 .0482 .0520 .1234
 135.000 .0692 .0330 .0201 .1266
 141.000
 180.000 .0403 .0339 .0292 .0194
 186.000 .0521
 219.000 .1817
 225.000 .0343
 270.000 .0339 .0373 .1321 .0894
 315.000 .0592 .0444 .0391 .0187

ALPHA (2) = .387 BETA (5) = 4.008 RN/L = 2.0620 MACH = 2.9974 Q(PSF) = 373.59 PS = 2173.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0329 .0602 .0621 .0657 .0626 .0342
 45.000 .0724
 90.000 .0751 .0735 .0790 .0725 .0645
 135.000 .0739 .0429 .0414 .0960
 141.000
 180.000 .0428 .0458 .0437 .0421 .0910
 186.000

ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RES=51)

ALPHA (2) = .387 BETA (5) = 4.008

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .2708
 225.000 .0462
 270.000 .1332
 315.000 .0530 .0524 .0471 .0329

ALPHA (3) = 3.972 BETA (1) = -3.989 RN/L = 2.0593 MACH = 2.9974 Q(PSF) = 373.59 PS = 2173.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0586 .0601 .0582 .0543 .0509 .0258
 45.000 .0574 .0297 .0300 .0273 .0513
 90.000 .0388 .0301 .0585 .0585 .3226
 135.000 .0301 .0554 .0626
 141.000 .0571 .0571 .0626
 180.000 .0571 .0571 .0451
 186.000 .0571 .0571 .0797
 219.000 .0875 .0840 .1655 .0497
 225.000 .0875 .0840 .1655 .0497
 270.000 .0875 .0840 .1655 .0497
 315.000 .0875 .0840 .1655 .0497

ALPHA (3) = 4.009 BETA (2) = -1.992 RN/L = 2.0593 MACH = 2.9974 Q(PSF) = 373.59 PS = 2173.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0535 .0638 .0774 .0795 .0745 .0575
 45.000 .0645 .0645 .0476 .0275 .0616
 90.000 .0554 .0482 .0447 .0863 .2550
 135.000 .0600 .0447 .0560 .0487 .0763
 141.000 .0600 .0447 .0560 .0487 .0622
 180.000 .0600 .0447 .0560 .0487 .0957
 186.000 .0600 .0447 .0560 .0487 .0664
 219.000 .0926 .0949 .0893 .0776 .0791
 225.000 .0926 .0949 .0893 .0776 .0791
 270.000 .0926 .0949 .0893 .0776 .0791
 315.000 .0926 .0949 .0893 .0776 .0791

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH51)

ALPHA (3) = 4.006 BETA (3) = .005 RN/L = 2.0593 MACH = 2.9974 Q(PSF) = 373.59 PS = 2173.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0511	.0834	.0834	.0896	.0881	.0759
45.000		.0727				
90.000		.0663	.0716	.0710	.0421	.0953
135.000			.0712	.0475	.0319	
141.000						.1592
180.000		.0549	.0564	.0513	.0513	
186.000						.0771
219.000						.0858
225.000			.0556			.0995
270.000	.0712	.0716	.1636			.0691
315.000			.0987	.0877	.0873	

ALPHA (3) = 4.065 BETA (4) = 2.014 RN/L = 2.0593 MACH = 2.9974 Q(PSF) = 373.59 PS = 2173.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0523	.0843	.0862	.0903	.0873	.0740
45.000			.0938			
90.000		.0729	.0710	.0702	.0699	.1200
135.000			.0539	.0414	.0319	
141.000						.1146
180.000		.0584	.0489	.0520	.0478	
186.000						.0476
219.000			.0493			.1362
225.000			.1537			.0921
270.000	.0539	.0573	.0835	.0736	.0717	.0427
315.000						

ALPHA (3) = 4.072 BETA (5) = 4.011 RN/L = 2.0593 MACH = 2.9974 Q(PSF) = 373.59 PS = 2173.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0463	.0615	.0695	.0772	.0768	.0594
45.000			.0801			
90.000		.0911	.0801	.0867	.0700	.1394
135.000			.0805	.0552	.0544	
141.000						.1056
180.000		.0638	.0805	.0689	.0696	
186.000						.0744

(RE5H51)

ET BASE

)

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (3) = 4.072 BETA (5) = 4.011

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.0809

.1466

.0742

.2234

.0767

.0314

.0673

.0635

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF, MPS=OFF) ET BASE (RESH52) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-IB = 8.000 ELV-OB = -4.000

ALPHA (1) = -4.213 BETA (1) = -4.083 RN/L = 1.6085 MACH = 3.4978 Q(PSF) = 244.57 PS = 2171.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 -.0541
 45.000 -.0860 -.0883 -.0777 -.0887 -.0736
 90.000 -.0895
 135.000 -.0883 -.0895 -.0864 -.0893 .1882
 141.000 -.0895 -.0884 -.0180 .3193
 180.000 -.0959 -.0895 -.0910 -.0620
 186.000 .0865
 219.000 .0969
 225.000 -.0895
 270.000 -.0924 .1401 .1299
 315.000 -.0814 -.0476 -.0916 -.0869 -.0206

ALPHA (1) = -4.197 BETA (2) = -2.083 RN/L = 1.6085 MACH = 3.4978 Q(PSF) = 244.57 PS = 2171.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 -.0596
 45.000 -.0863 -.0892 -.0797 -.0930 -.0675
 90.000 -.0898
 135.000 -.0898 -.0878 -.0919 .1596
 141.000 -.0904 -.0768 -.0391 .2793
 180.000 -.0973 -.0904 -.0884 -.0641
 186.000 .0875
 219.000 .0991
 225.000 -.0898
 270.000 -.0817 -.0915 .1393 .1616
 315.000 -.0473 -.0913 -.0837 -.0058

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(RE5H52)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (1) = -4.181 BETA (3) = -.083 RN/L = 1.6085 MACH = 3.4978 Q(PSF) = 244.57 PS = 2171.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000
 45.000
 90.000
 135.000
 141.000
 180.000
 186.000
 219.000
 225.000
 270.000
 315.000

ALPHA (1) = -4.262 BETA (4) = 1.914 RN/L = 1.6085 MACH = 3.4978 Q(PSF) = 244.57 PS = 2171.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000
 45.000
 90.000
 135.000
 141.000
 180.000
 186.000
 219.000
 225.000
 270.000
 315.000

ALPHA (1) = -4.225 BETA (5) = 3.914 RN/L = 1.6085 MACH = 3.4978 Q(PSF) = 244.57 PS = 2171.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000
 45.000
 90.000
 135.000
 141.000
 180.000
 186.000

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH52)

ALPHA (1) = -4.225 BETA (5) = 3.914

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .2101
 225.000 -.0878
 270.000 .1413
 315.000 -.0476 -.0910 -.0771 .0484

ALPHA (2) = -1.066 BETA (1) = -4.086 RN/L = 1.6080 MACH = 3.4978 Q(PSF) = 244.60 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0594
 45.000 -.0843 -.0866 -.0774 -.0884 -.0670
 90.000 -.0884
 135.000 -.0878 -.0907 -.0867 -.0907 .1356
 141.000 -.0907 -.0710 -.0166 .3046
 180.000 -.0936 -.0901 -.0901 -.0676 .0521
 186.000 .0579
 219.000 -.0901
 225.000 -.0797 -.0895 .1408 .0845
 270.000 -.0461 -.0896 -.0884 -.0383
 315.000

ALPHA (2) = -.750 BETA (2) = -2.089 RN/L = 1.6080 MACH = 3.4978 Q(PSF) = 244.60 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0605
 45.000 -.0843 -.0860 -.0783 -.0910 -.0597
 90.000 -.0872
 135.000 -.0872 -.0884 -.0858 -.0898 .1071
 141.000 -.0843 -.0667 -.0267 .2746
 180.000 -.0936 -.0837 -.0904 -.0754 .0556
 186.000 .0597
 219.000 -.0837
 225.000 -.0802 -.0895 .1407 .1246
 270.000 -.0458 -.0887 -.0887 -.0220
 315.000

ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RE5H52)

ALPHA (2) = -.372 BETA (3) = -.089 RN/L = 1.6080 MACH = 3.4978 Q(PSF) = 244.60 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0643	-.0817	-.0840	-.0736	-.0887	-.0447	
45.000		-.0846					
90.000		-.0858	-.0852	-.0818	-.0864	.1197	
135.000			-.0898	-.0818	-.0684	.2022	
141.000							
180.000		-.0904	-.0916	-.0904	-.0754	.0324	
186.000						.0655	
219.000			-.0904				
225.000			.1422			.1570	
270.000	-.0811	-.0881		-.0852	-.0835	-.0041	
315.000			-.0412				

ALPHA (2) = -.109 BETA (4) = 1.914 RN/L = 1.6080 MACH = 3.4978 Q(PSF) = 244.60 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0666	-.0846	-.0875	-.0797	-.0930	-.0577	
45.000		-.0863					
90.000		-.0852	-.0863	-.0832	-.0872	.0796	
135.000			-.0857	-.0890	-.0843	.1648	
141.000							
180.000		-.0892	-.0852	-.0913	-.0919	.0379	
186.000						.1294	
219.000			-.0846				
225.000			.1404			.1318	
270.000	-.0811	-.0875		-.0924	-.0861	.0124	
315.000			-.0455				

ALPHA (2) = .215 BETA (5) = 3.917 RN/L = 1.6080 MACH = 3.4978 Q(PSF) = 244.60 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0680	-.0860	-.0878	-.0771	-.0910	-.0597	
45.000		-.0883					
90.000		-.0860	-.0878	-.0835	-.0864	.0225	
135.000			-.0878	-.0840	-.0881	.1423	
141.000							
180.000		-.0883	-.0872	-.0887	-.0910	.0582	
186.000							

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TABULATED SOURCE DATA - 1A82C

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(RESH52)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (2) = .215 BETA (5) = 3.917

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .1800
 225.000
 270.000 .1029
 315.000 .0258

ALPHA (3) = 3.837 BETA (1) = -4.083 RN/L = 1.6096 MACH = 3.4978 Q(PSF) = 244.59 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -0.0585
 45.000 -0.0788 -0.0805 -0.0707 -0.0817 -0.0458
 90.000 -0.0846
 135.000 -0.0852 -0.0881 -0.0846 -0.0892 .0614
 141.000 -0.0881 -0.0649 -0.0064 .3086
 180.000 -0.0892 -0.0859 -0.0829 -0.0672 .0478
 185.000 .0142
 219.000 -0.0869
 225.000 .1431
 270.000 -0.0753 -0.0863 -0.0406 -0.0811 -0.0788 -0.0472
 315.000

ALPHA (3) = 3.759 BETA (2) = -2.089 RN/L = 1.6096 MACH = 3.4978 Q(PSF) = 244.59 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -0.0611
 45.000 -0.0779 -0.0791 -0.0702 -0.0852 -0.0406
 90.000 -0.0814
 135.000 -0.0849 -0.0814 -0.0835 -0.0870 .0341
 141.000 -0.0826 -0.0644 -0.0267 .2623
 180.000 -0.0913 -0.0826 -0.0858 -0.0765 .0272
 185.000 .0341
 219.000 -0.0826
 225.000 .1452
 270.000 -0.0739 -0.0831 -0.0395 -0.0812 -0.0841 -0.0273
 315.000

(RES452)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (3) = 3.697 BETA (3) = -.086 RN/L = 1.6096 MACH = 3.4978 Q(PSF) = 244.59 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0628 -.0791 -.0808 -.0730 -.0881 -.0313
 45.000 -.0826
 90.000 -.0831 -.0866 -.0835 -.0881 .0261
 135.000 -.0866 -.0765 -.0603 .2017
 141.000
 180.000 -.0878 -.0860 -.0898 -.0823
 186.000
 219.000
 225.000 -.0855
 270.000 -.0762 -.0831 -.0437
 315.000 -.0406 -.0835 -.0859 -.0087

ALPHA (3) = 3.781 BETA (4) = 1.914 RN/L = 1.6096 MACH = 3.4978 Q(PSF) = 244.59 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0646 -.0779 -.0791 -.0710 -.0861 -.0345
 45.000 -.0797
 90.000 -.0797 -.0802 -.0774 -.0820 .0865
 135.000 -.0808 -.0843 -.0826 .1526
 141.000
 180.000 -.0837 -.0797 -.0890 -.0890
 186.000
 219.000
 225.000 -.0791
 270.000 -.0773 -.0826 .1433
 315.000 -.0392 -.0809 -.0855 .0095

ALPHA (3) = 3.706 BETA (5) = 3.911 RN/L = 1.6096 MACH = 3.4978 Q(PSF) = 244.59 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0660 -.0805 -.0840 -.0745 -.0890 -.0426
 45.000 -.0840
 90.000 -.0805 -.0823 -.0785 -.0820 .0692
 135.000 -.0823 -.0803 -.0837 .1376
 141.000
 180.000 -.0852 -.0817 -.0861 -.0890
 186.000 .0299

DATE 06 FEB '76

TABULATED SOURCE DATA - 1A82C

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(RESH52)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (3) = 3.700 BETA (5) = 3.911

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROL	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

Phi:

219.000							.1382
225.000							
270.000							.0832
315.000							.0235

-.0805

.1416

-.0776

-.0828

-.0432

-.0884

-.0814

.0235

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH53) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-0B = -4.000

ALPHA (1) = -4.282 BETA (1) = -4.092 RN/L = 1.6107 MACH = 3.4978 Q(PSF) = 245.18 PS = 2176.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 .0858 .0742 .0742 .0769 .0670 .0480
 45.000 .0782
 90.000 .0464 .0468 .0520 .2063
 135.000 .0395 .0693 .0676 .3131
 141.000
 180.000 .0748 .0400 .0659 .0578
 186.000 .1072
 219.000 .0922
 225.000 .0412
 270.000 .1066 .1263 .2907 .1309
 315.000 .1121 .0786 .0740 .0413

ALPHA (1) = -4.166 BETA (2) = -2.089 RN/L = 1.6107 MACH = 3.4978 Q(PSF) = 245.18 PS = 2176.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 .0764 .0683 .0619 .0600 .0553 .0484
 45.000 .0741
 90.000 .0544 .0588 .0582 .1125
 135.000 .0567 .0773 .0756 .2873
 141.000
 180.000 .0706 .0567 .0842 .0756
 186.000 .1152
 219.000 .1146
 225.000 .0573
 270.000 .1047 .1134 .2794 .1273
 315.000 .1143 .0877 .0819 .0603

DATE 05 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N) MPS=N) ET BASE (RESH53)

ALPHA (1) = -4.150 BETA (3) = -.089 RN/L = 1.6107 MACH = 3.4978 Q(PSF) = 245.18 PS = 2176.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0698	.0617	.0519	.0560	.0508	.0480
45.000				.0733			.0925
90.000			.0592	.0727	.0717	.0693	.0526
135.000				.0733	.0693	.0526	.2237
141.000							.0873
180.000			.0675	.0739	.0676	.0653	.1381
186.000							.1138
219.000				.0744			.0653
225.000			.0522	.0565	.0717	.0665	
270.000							
315.000							

ALPHA (1) = -4.294 BETA (4) = 1.914 RN/L = 1.6107 MACH = 3.4978 Q(PSF) = 245.18 PS = 2176.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0728	.0439	.0451	.0553	.0525	.0519
45.000				.0410			.0490
90.000			.0526	.0509	.0559	.0571	.0461
135.000				.0520	.0571	.0461	.1970
141.000							.0964
180.000			.0618	.0526	.0473	.0374	.1768
186.000							.1467
219.000				.0526			.0860
225.000			.0462	.0433	.0929	.0571	
270.000							
315.000							

ALPHA (1) = -4.169 BETA (5) = 3.917 RN/L = 1.6107 MACH = 3.4978 Q(PSF) = 245.18 PS = 2176.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0616	.0298	.0304	.0401	.0343	.0187
45.000				.0240			.0256
90.000			.0512	.0471	.0505	.0493	.1967
135.000				.0494	.0406	.0274	.1135
141.000							
180.000			.0442	.0500	.0204	.0135	
186.000							

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(RES453)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (1) = -4.169 BETA (5) = 3.917

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000
225.000
270.000
315.000.0512
.2053
.0742 .0447 .0360 .2118
.1939
.0789

ALPHA (2) = -.979 BETA (1) = -4.089 RN/L = 1.6113 MACH = 3.4978 Q(PSF) = 245.27 PS = 2177.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000
45.000
90.000
135.000
141.000
180.000
186.000
219.000
225.000
270.000
315.000.0761 .0773 .0831 .0813 .0756 .0530
.0825
.0611 .0553 .0605 .0640 .1524
.0536 .0756 .0761 .3091
.0744 .0541 .0681 .0571 .0982
.0658
.0547
.2898
.1050 .0698 .0640 .1207
.0421

ALPHA (2) = -.775 BETA (2) = -2.083 RN/L = 1.6113 MACH = 3.4978 Q(PSF) = 245.27 PS = 2177.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RCD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000
45.000
90.000
135.000
141.000
180.000
186.000
219.000
225.000
270.000
315.000.0705 .0630 .0590 .0511 .0430 .0355
.0728
.0590 .0636 .0586 .0568 .1210
.0728 .0730 .0782 .2752
.0734 .0740 .0736 .0719 .1007
.0776
.0746
.2839
.0996 .0690 .0667 .1331
.0493

(RES453)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (2) = .418 BETA (5) = 3.917

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000						.1837
225.000				.0602		
270.000	.0660	.0694		.2365		.1051
315.000				.1031	.0863	.0823 .0410

ALPHA (3) = 3.722 BETA (1) = -4.092 RN/L = 1.6125 MACH = 3.4978 Q(PSF) = 245.18 PS = 2176.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0840	.0956	.0973	.0982	.0930	.0745
45.000			.0921			
90.000		.0846	.0834	.0873	.0815	.0919
135.000			.0829	.0849	.0855	
141.000						.3111
180.000		.0834	.0834	.0809	.0705	
186.000						.0862
219.000						.0769
225.000			.0834			
270.000	.1089	.1164	.2792		.1047	
315.000			.1231	.0948	.0907	.0723

ALPHA (3) = 3.750 BETA (2) = -2.092 RN/L = 1.6125 MACH = 3.4978 Q(PSF) = 245.18 PS = 2176.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0924	.1051	.1057	.1081	.1029	.0861
45.000			.1034			
90.000		.1011	.0993	.1034	.1006	.0826
135.000			.0993	.1052	.0959	
141.000						.2602
180.000		.1045	.1005	.0971	.0913	
186.000						.1047
219.000						.0879
225.000			.1005			
270.000	.1126	.1207	.2809			.1446
315.000			.1323	.1098	.1058	.0868

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RE5H53)

ALPHA (3) = 3.725 BETA (3) = -.083 RN/L = 1.6125 MACH = 3.4978 Q(PSF) = 245.18 PS = 2176.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0987	.1068	.1056	.1071	.1002	.0765
45.000		.0964	.0975	.0990	.0944	.0759
90.000			.0964	.0973	.0950	.2043
135.000				.0990	.1002	.0991
180.000		.0940	.0969			.0771
219.000			.0987			.1418
225.000	.1189	.1189	.2781	.1123	.1100	.0881
270.000			.1319			
315.000						

ALPHA (3) = 3.791 BETA (4) = 1.908 RN/L = 1.6125 MACH = 3.4978 Q(PSF) = 245.18 PS = 2176.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0918	.0993	.0976	.1022	.0959	.0704
45.000		.1225	.1057	.1178	.1155	.1282
90.000			.1207	.1051	.0970	.1950
135.000			.1219			.1176
180.000		.1069	.1225	.1092	.1092	.1199
219.000						.1106
225.000	.0941	.0924	.1225			.0569
270.000			.2565	.1005	.0988	
315.000			.1190			

ALPHA (3) = 3.755 BETA (5) = 3.914 RN/L = 1.6125 MACH = 3.4978 Q(PSF) = 245.18 PS = 2176.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0941	.0964	.0947	.1007	.0955	.0730
45.000		.1167	.1022	.0973	.1013	.1747
90.000			.1045	.1007	.0967	.1962
135.000			.0988			.1014
180.000		.1034	.0982	.1082	.1077	
219.000						

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TABULATED SOURCE DATA - 1A82C

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$$\text{ALPHA} (3) = 3.756 \quad \text{BETA} (5) = 3.914$$

ET BASE

MPS- α N-

ARC87044 1A82 OTS(SRB=N

(RES. 153)

SECTION () ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

1419

219.000

225.000

270:000

315.000

5941

.0993

4852

8611

5941

1403

.0933

0407

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH54) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = 8.000 ELV-08 = .000

ALPHA (1) = -3.766 BETA (1) = -.042 RN/L = 2.6887 MACH = 2.5975 Q(PSF) = 515.58 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.1253	-.1530	-.1530	-.1400	-.1518	-.0531	
45.000		-.1524					
90.000		-.1648	-.1516	-.1562	-.1576	.0743	
135.000			-.1670	-.1507	-.0910		
141.000						.2180	
180.000		-.1682	-.1665	-.1496	-.1042		
186.000						.0879	
219.000						.2483	
225.000			-.1657				
270.000	-.1477	-.1565	-.0602			.1478	
315.000			-.1304	-.1441	-.1400	.0174	

ALPHA (2) = -.562 BETA (2) = -.4042 RN/L = 2.6750 MACH = 2.5975 Q(PSF) = 515.69 PS = 2171.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.1054						
45.000		-.1346	-.1360	-.1314	-.1350	-.0706	
90.000			-.1351				
135.000		-.1423	-.1349	-.1441	-.1452	.1517	
141.000			-.1456	-.1185	-.0189		
180.000		-.1461	-.1453	-.1386	-.1314	.3339	
186.000						.0349	
219.000						.0531	
225.000			-.1448				
270.000	-.1310	-.1448	-.0569			.0608	
315.000			-.1309	-.1400	-.1444	-.0426	

ARC87044 1A82 OTS(SRB=OFF MPS=OFF) (RE5H54)

ET BASE

ALPHA (2) = .144 BETA (2) = -.042 RN/L = 2.6750 MACH = 2.5975 Q(PSF) = 515.69 PS = 2171.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .1133 - .1408 - .1411 - .1362 - .1502 - .0542
 45.000 - .1405 - .1477 - .1397 - .1452 - .1472 .1091
 90.000 - .1394 - .1394 - .1056 - .0377 .2334
 135.000 - .1521 - .1540 - .1488 - .1040 .0610
 141.000 - .1557 - .0548 .1039
 180.000 - .1282 - .1417 - .1403 .0016
 186.000
 219.000
 225.000
 270.000
 315.000

ALPHA (2) = .653 BETA (3) = 3.958 RN/L = 2.6750 MACH = 2.5975 Q(PSF) = 515.69 PS = 2171.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .1173 - .1427 - .1424 - .1322 - .1371 - .0673
 45.000 - .1421 - .1394 - .1413 - .1335 - .1346 .0111
 90.000 - .1408 - .1300 - .1335 .0708
 141.000 - .1443 - .1405 - .1495 - .1511 .0975
 180.000 - .1405 - .0554 .3367
 186.000
 219.000
 225.000
 270.000
 315.000

ALPHA (3) = 4.100 BETA (1) = -.039 RN/L = 2.6696 MACH = 2.5975 Q(PSF) = 515.75 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .1069 - .1295 - .1276 - .1230 - .1318 - .0366
 45.000 - .1270 - .1336 - .1267 - .1340 - .1342 .0821
 90.000 - .1262 - .0820 - .0056 .2730
 135.000
 141.000
 180.000
 186.000

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RES454)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (3) = 4.100 BETA (1) = -.039

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000
225.000
270.000
315.000

.0971
-.1256
-.1276
-.1213
-.1320
-.1356
-.0040

ARC87044 1A82 OTS(SRB-N MPS-N) ET BASE

(RESH55) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

ALPHA (1) = -3.819 BETA (1) = -.039 RN/L = 2.6498 MACH = 2.5975 Q(PSF) = 515.91 PS = 2172.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0000	.0224	.0293	.0345	.0395	.0401	.0230
.000				.0345			
45.000			.0161	.0142	.0156	.0170	.0766
90.000				-.0232	-.0275	-.0203	.2193
135.000			.0070	-.0218	-.0025	-.0022	.0886
141.000							.2471
180.000							.1663
186.000			.0290	.0323	.0700	.0376	.0340
219.000					.0431		.0219
225.000							
270.000							
315.000							

ALPHA (2) = -.587 BETA (1) = -.4045 RN/L = 2.6425 MACH = 2.5975 Q(PSF) = 515.91 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0000	.0197	.0111	.0109	.0109	.0076	-.0402
.000				.0103			
45.000			-.0180	-.0334	-.0319	-.0286	.1479
90.000				.0100	.0219	.0532	.3303
135.000			.0210	.0161	.0284	.0287	.0462
141.000							.0696
180.000							.0652
186.000			.0186	.0194	.0641	.0125	-.0390
219.000					.0194		
225.000							
270.000							
315.000							

PARAMETRIC DATA

MACH = 2.500 PT = 15.100
 ELV-18 = 8.000 ELV-08 = .000

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RE5H55)

ALPHA (2) = -.103 BETA (2) = -.042 RN/L = 2.6425 MACH = 2.5975 Q(PSF) = 515.91 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0106 .0243 .0367 .0421 .0467 .0110
 45.000 .0260
 90.000 .0086 .0128 .0146 .0154 .1077
 135.000 .0086 .0072 .0292 .2332
 141.000
 180.000 .0086 .0089 .0132 .0141 .0677
 186.000 .1634
 219.000
 225.000 .0092
 270.000 .0392 .0532 .0822 .1013
 315.000 .0440 .0415 .0396 .0053

ALPHA (2) = .666 BETA (3) = 3.958 RN/L = 2.6425 MACH = 2.5975 Q(PSF) = 515.91 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0192 .0178 .0178 .0187 .0148 -.0316
 45.000 .0184
 90.000 .0453 .0272 .0448 .0412 .0255
 135.000 .0439 .0217 .0071 .0772
 141.000
 180.000 .0170 .0200 .0167 .0082 .0912
 186.000 .3345
 219.000
 225.000 .0200
 270.000 .0173 .0129 .0563 .1623
 315.000 .0217 .0154 .0060 .0379

ALPHA (3) = 3.981 BETA (1) = -.039 RN/L = 2.6354 MACH = 2.5975 Q(PSF) = 515.75 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0127 .0248 .0308 .0344 .0311 -.0109
 45.000 .0250
 90.000 .0195 .0248 -.0013 -.0101 .0761
 135.000 .0011 -.0008 .0462 .2683
 141.000
 180.000 .0022 -.0030 .0091 .0190 .0769
 186.000

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RE5H55)

ET BASE

)

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (3) = 3.981 BETA (1) = -.039

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000
225.000
270.000
315.000

.0344 .0374 .0391 -.0027 .0272 .0283 .0970
.0854 .1275 -.0012

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

ALPHA (2) = .022 BETA (2) = .011 RN/L = 2.1171 ET BASE
 SECTION (1) ET BASE (RES456)
 R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000 Q(PSF) = 372.90 PS = 2169.4
 PHI .0000 .0859
 45.000
 90.000
 135.000
 141.000
 180.000
 186.000
 219.000
 225.000
 270.000
 315.000

ALPHA (2) = .578 BETA (3) = 4.014 RN/L = 2.1171 MACH = 2.9974 Q(PSF) = 372.90 PS = 2169.4
 SECTION (1) ET BASE
 R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000
 PHI .0000 .0859
 45.000
 90.000
 135.000
 141.000
 180.000
 186.000
 219.000
 225.000
 270.000
 315.000

ALPHA (3) = 3.997 BETA (1) = .014 RN/L = 2.1173 MACH = 2.9974 Q(PSF) = 373.10 PS = 2169.9
 SECTION (1) ET BASE
 R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000
 PHI .0000 .0841
 45.000
 90.000
 135.000
 141.000
 180.000
 186.000
 219.000
 225.000
 270.000
 315.000

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RE5H56)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (3) = 3.997 BETA (1) = .014

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000
225.000
270.000
315.000

-.0997 -.1066 -.0823 -.1058 -.1096 -.0073
-.1043
.0332
.0692
.0951

(RESH57) (13 JAN 75)

ET BASE

)

MPS=N

ARC87044 1A82 OTSISRB=N

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN.XT.
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT.
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT.
 SCALE = .0100

ALPHA (1) = -3.875 BETA (1) = .014 RN/L = 2.1121 MACH = 2.9974 Q(PSF) = 373.35 PS = 2172.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 .0484 .0716 .0621 .0618 .0546 .0280
 45.000 .0700 .0548 .0700 .0508 .0504 .1241
 90.000 .135.000 .0491 .0265 .0406 .2223
 141.000 .0355 .0377 .0337 .0334 .0912
 180.000 .0381 .1389 .0683 .0649 .1167
 186.000 .0529 .0507 .0785 .0206
 219.000
 225.000
 270.000
 315.000

ALPHA (2) = -.866 BETA (1) = -3.986 RN/L = 2.1110 MACH = 2.9974 Q(PSF) = 373.35 PS = 2172.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 .0573 .0580 .0660 .0680 .0714 .0558
 45.000 .0584 .0273 .0338 .0380 .1681
 90.000 .135.000 .0273 .0425 .0524 .3122
 141.000 .0512 .0276 .0369 .0452 .0761
 180.000 .0284 .1810 .0529
 186.000 .0880 .0975 .0782 .0630 .0668
 219.000
 225.000
 270.000
 315.000

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 8.000 ELV-08 = .000

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ALPHA (2) = -.182 BETA (2) = .011 RN/L = 2.1110 MACH = 2.9974 Q(PSF) = 373.35 PS = 2172.0
 (RESH57)

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0505	.0759	.0733	.0756	.0703	.0502	
45.000			.0683				
90.000		.0501	.0676	.0555	.0563	.1347	
135.000			.0513	.0343	.0233		
141.000						.1441	
180.000		.0482		.0482	.0419	.0381	
186.000						.0525	
219.000				.0486		.1129	
225.000				.1491		.0822	
270.000	.0611	.0585		.0870	.0741	.0431	
315.000							

ALPHA (2) = .597 BETA (3) = 4.011 RN/L = 2.1110 MACH = 2.9974 Q(PSF) = 373.35 PS = 2172.0

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0361	.0634	.0665	.0709	.0675	.0379	
45.000			.0779				
90.000		.0809	.0790	.0853	.0778	.0724	
135.000			.0646	.0455	.0440		
141.000						.1031	
180.000		.0471	.0376	.0478	.0463		
186.000						.0955	
219.000			.0376			.2736	
225.000			.1385			.1073	
270.000	.0425	.0452	.0679	.0569	.0508	.0352	
315.000							

ALPHA (3) = 4.050 BETA (1) = .008 RN/L = 2.1121 MACH = 2.9974 Q(PSF) = 373.35 PS = 2172.0

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0571	.0898	.0905	.0939	.0920	.0783	
45.000			.0787				
90.000		.0731	.0780	.0742	.0442	.1003	
135.000			.0787	.0537	.0374		
141.000						.1633	
180.000		.0613	.0598	.0563	.0560		
186.000						.0825	

(RE5H57)

ET BASE

—

MPS=N

ARC87044 1A82 OTS(SRB=N

$$\text{ALPHA} (3) = 4.050 \quad \text{BETA} (1) = .008$$

SECTION 13(1) NO. 135.

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PH

219.000

225.000
270.000

270.000
315.000

1000

11

0567
1607

1034
1691

9160.

1000

0783
1026

0870 9110

0916

0920

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH58) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-08 = .000

ALPHA (1) = -4.240 BETA (1) = -.089 RN/L = 1.6465 MACH = 3.4978 Q(PSF) = 244.41 PS = 2168.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0611		-.0849	-.0873	-.0786	-.0919	-.0606
45.000				-.0873			
90.000			-.0878	-.0890	-.0855	-.0890	.1215
135.000				-.0890	-.0658	-.0414	
141.000							.2462
180.000			-.0936	-.0884	-.0909	-.0594	
186.000							.0803
219.000							.1302
225.000				-.0873			
270.000	-.0809	-.0907		.1447			.1812
315.000				-.0449	-.0890	-.0791	.0102

ALPHA (2) = -.913 BETA (1) = -4.083 RN/L = 1.6469 MACH = 3.4978 Q(PSF) = 244.38 PS = 2169.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0588		-.0844	-.0861	-.0768	-.0878	-.0658
45.000				-.0873			
90.000			-.0878	-.0902	-.0855	-.0895	.1371
135.000				-.0896	-.0704	-.0165	
141.000							.3080
180.000			-.0931	-.0890	-.0896	-.0664	
186.000							.0517
219.000							.0604
225.000				-.0890			
270.000	-.0803	-.0896		.1452			.0859
315.000				-.0449	-.0896	-.0878	-.0377

ARC87041 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH58)

ALPHA (2) = -.347 BETA (2) = -.039 RN/L = 1.6469 MACH = 3.4978 Q(PSF) = 244.38 PS = 2169.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0643	-.0812	-.0823	-.0733	-.0890	-.0461	
45.000		-.0829					
90.000		-.0846		-.0814	-.0861	.1198	
135.000		-.0052		-.0820	-.0687	.2093	
141.000							
180.000		-.0899	-.0846	-.0901	-.0756	.0364	
186.000						.0677	
219.000							
225.000			-.0841			.1588	
270.000		-.0800	-.0870	.1470		-.0008	
315.000			-.0403	-.0855	-.0843		

ALPHA (2) = .209 BETA (3) = 3.914 RN/L = 1.6469 MACH = 3.4978 Q(PSF) = 244.38 PS = 2169.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0693	-.0861	-.0878	-.0774	-.0902	-.0594	
45.000		-.0890					
90.000		-.0861	-.0873	-.0820	-.0855	.0217	
135.000			-.0867	-.0832	-.0878	.1471	
141.000							
180.000		-.0890	-.0861	-.0884	-.0907	.0613	
186.000						.1831	
219.000							
225.000			-.0855			.1024	
270.000		-.0838	-.0896	.1435		.0276	
315.000			-.0449	-.0907	-.0797		

ALPHA (3) = 3.791 BETA (1) = -.083 RN/L = 1.6449 MACH = 3.4978 Q(PSF) = 244.41 PS = 2169.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0638	-.0788	-.0800	-.0690	-.0846	-.0290	
45.000			-.0823				
90.000		-.0835	-.0858	-.0906	-.0852	.0307	
135.000			-.0852	-.0731	-.0568	.2071	
141.000							
180.000		-.0887	-.0852	-.0870	-.0800	.0198	
186.000							

(RESH58)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

TABULATED SOURCE DATA - 1A82C

DATE 06 FEB 76

ALPHA (3) = 3.791 BETA (1) = -.083

SECTION (1) ET BASE		DEPENDENT VARIABLE CP	
R/ROD	.0000	.4500	.6350
		.8400	.9950
		.9460	1.0000
PHI			
219.000			.0377
225.000			
270.000			.1027
315.000			-.0058

ORIGINAL PAGE IS
OF POOR QUALITY

ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE

(RE5H59) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-IB = 8.000 ELV-OB = .000

ALPHA (1) = -4.172 BETA (1) = -.083 RN/L = 1.6420 MACH = 3.4978 Q(PSF) = 244.41 PS = 2169.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0000	.0726	.0639	.0523	.0570	.0518	.0501
45.000			.0743	.0743	.0738	.0721	.0935
90.000			.0709	.0738	.0727	.0582	.2313
135.000				.0732	.0721	.0692	.0876
141.000			.0691	.0743	.0721	.0692	.1397
180.000							.1113
186.000							.0644
219.000				.0749			
225.000			.0593	.2425	.0744	.0698	
270.000	.0610			.0970			
315.000							

ALPHA (2) = -1.072 BETA (1) = -4.086 RN/L = 1.6411 MACH = 3.4978 Q(PSF) = 244.25 PS = 2167.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0765	.0765	.0765	.0817	.0811	.0759	.0527
45.000			.0823	.0823	.0608	.0631	.1525
90.000			.0596	.0538	.0759	.0771	.3107
135.000				.0532	.0683	.0579	.0975
141.000			.0741				.0644
180.000							.1219
186.000							.0429
219.000				.0544			
225.000			.1282	.2965	.0707	.0649	
270.000	.1073			.1049			
315.000							

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH59)

ALPHA (2) = -.381 BETA (2) = -.089 RN/L = 1.6411 MACH = 3.4978 Q(PSF) = 244.25 PS = 2167.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0526	.0648	.0497	.0527	.0469	.0463
45.000			.0619			
90.000		.0480	.0503	.0509	.0509	.1003
135.000			.0491	.0393	.0271	
141.000						.1998
180.000		.0462	.0497	.0492	.0474	
186.000						.0656
219.000						.0731
225.000			.0503			
270.000	.0672	.0631	.2419			.1440
315.000			.1020	.0776	.0707	.0627

ALPHA (2) = .409 BETA (3) = 3.917 RN/L = 1.6411 MACH = 3.4978 Q(PSF) = 244.25 PS = 2167.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0746	.0763	.0304	.0857	.0840	.0642
45.000			.0885			
90.000		.1118	.1176	.1165	.1159	.1025
135.000			.0845	.0613	.0578	
141.000						.1666
180.000		.0804	.0636	.0805	.0822	
186.000						.0847
219.000						.1822
225.000			.0641			
270.000	.0659	.0653	.2424			.1027
315.000			.1019	.0834	.0822	.0434

ALPHA (3) = 3.747 BETA (1) = -.085 RN/L = 1.6425 MACH = 3.4978 Q(PSF) = 244.49 PS = 2169.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0983	.1053	.1041	.1073	.0992	.0742
45.000			.0977			
90.000		.0948	.0960	.0992	.0939	.0736
135.000			.0948	.0974	.0945	
141.000						.2061
180.000		.0936	.0948	.0997	.0997	
186.000						.0987

(RE5H59)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (3) = 3.747 BETA (1) = -.086

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0350	.4500	.6350	.8400	.8950	.9450	1.0000
PHI							
219.000							.0778
225.000				.0942			
270.000		.1186	.1175	.2818		.1393	
315.000			.1322	.1108	.1096	.0865	

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH60) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-08 = .000

ALPHA (1) = -3.912 BETA (1) = -4.039 RN/L = 2.6782 MACH = 2.5975 Q(PSF) = 515.52 PS = 2169.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .1058 - .1404 - .1423 - .1378 - .1450 - .0714
 45.000 - .1421 - .1489 - .1511 - .1486 - .1502 .1654
 90.000 - .1511 - .1520 - .1472 - .0681 .3113
 135.000 - .1503 - .1514 - .1475 - .1291 .0669
 141.000 - .1511 - .1326 - .1436 - .1497 - .0422 .0995
 180.000 - .1363 - .1509 - .0631 .0345
 186.000 - .1326 - .1436 - .1497 - .0422 .0345
 219.000 - .1363 - .1509 - .0631 .0345
 225.000 - .1326 - .1436 - .1497 - .0422 .0345
 270.000 - .1363 - .1509 - .0631 .0345
 315.000 - .1326 - .1436 - .1497 - .0422 .0345

ALPHA (1) = -4.016 BETA (2) = -.042 RN/L = 2.6782 MACH = 2.5975 Q(PSF) = 515.52 PS = 2169.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .1153 - .1422 - .1425 - .1385 - .1509 - .0526
 45.000 - .1450 - .1450 - .1450 - .1550 - .1564 .0729
 90.000 - .1549 - .1587 - .1506 - .0916 .2183
 135.000 - .1581 - .1598 - .1490 - .1031 .0911
 141.000 - .1581 - .1598 - .1490 - .1031 .0911
 180.000 - .1581 - .1598 - .1490 - .1031 .0911
 186.000 - .1581 - .1598 - .1490 - .1031 .0911
 219.000 - .1581 - .1598 - .1490 - .1031 .0911
 225.000 - .1581 - .1598 - .1490 - .1031 .0911
 270.000 - .1373 - .1455 - .0597 .1697
 315.000 - .1373 - .1455 - .0597 .1697

ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RE5H60)

ALPHA (1) = -3.853 BETA (3) = 3.964 RN/L = 2.6782 MACH = 2.5975 Q(PSF) = 515.52 PS = 2169.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .1141 - .1476 - .1481 - .1438 - .1539 - .0721
 45.000 - .1509 - .1503 - .1473 - .1490 - .0108
 90.000 - .1501 - .1410 - .1363 .1287
 135.000
 141.000
 180.000 - .1462 - .1498 - .1482 - .1482 .1306
 186.000 .3390
 219.000
 225.000 - .1495
 270.000 - .1426 - .1492 - .0636 .2498
 315.000 - .1361 - .1523 - .1385 .0589

ALPHA (2) = -.546 BETA (1) = -4.045 RN/L = 2.6475 MACH = 2.5975 Q(PSF) = 515.32 PS = 2168.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .1028 - .1322 - .1330 - .1284 - .1312 - .0690
 45.000 - .1339
 90.000 - .1399 - .1439 - .1419 - .1422 .1523
 135.000 - .1454 - .1155 - .0157 .3415
 141.000
 180.000 - .1438 - .1451 - .1356 - .1290 .0340
 186.000 .0530
 219.000
 225.000 - .1449
 270.000 - .1275 - .1413 - .0542 .0577
 315.000 - .1287 - .1375 - .1408 - .0438

ALPHA (2) = .053 BETA (2) = -.036 RN/L = 2.6475 MACH = 2.5975 Q(PSF) = 515.32 PS = 2168.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .1123 - .1376 - .1370 - .1338 - .1459 - .0562
 45.000 - .1351
 90.000 - .1467 - .1348 - .1442 - .1450 .1097
 135.000 - .1345 - .1109 - .0350
 141.000
 180.000 - .1513 - .1343 - .1494 - .1065 .2428
 186.000 .0630

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RES460)

ALPHA (2) = .053 BETA (2) = -.036

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9450	1.0000
PHI							.1535
219.000				-.1409			
225.000				-.0543			.0990
270.000		-.1307	-.1390	-.1277	-.1404	-.1417	.0006
315.000							

ALPHA (2) = .669 BETA (3) = 3.967 RN/L = 2.6475 MACH = 2.5975 Q(PSF) = 515.32 PS = 2168.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.1103			-.1337	-.1340	-.1299	-.1349
45.000				-.1351			-.0666
90.000				-.1301	-.1345	-.1310	-.1318
135.000				-.1343	-.1285	-.1321	.0150
141.000							.0747
180.000		-.1379	-.1340	-.1505	-.1519		.0877
186.000							.3369
219.000				-.1334			.1556
225.000				-.0537			.0360
270.000		-.1299	-.1354	-.1228	-.1368	-.1426	
315.000							

ALPHA (3) = 3.882 BETA (1) = -4.042 RN/L = 2.6233 MACH = 2.5975 Q(PSF) = 515.18 PS = 2168.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0993			-.1246	-.1254	-.1232	-.1265
45.000				-.1359			-.0522
90.000				-.1285	-.1362	-.1328	-.1320
135.000				-.1359	-.0877	.0397	.0463
141.000							.4171
180.000		-.1354	-.1354	-.1234	-.1122		.0249
186.000							.0519
219.000				-.1348			.0656
225.000				-.0398			-.0441
270.000		-.1147	-.1243	-.1229	-.1314	-.1311	
315.000							

(RE5H60)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

PS = 2168.3

Q(PSF) = 515.18

MACH = 2.5975

BETA (2) = -.042 RN/L = 2.6233

ALPHA (3) = 4.034

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.1038						
45.000			-.1264	-.1245	-.1198	-.1275	-.0348
90.000				-.1236			
135.000			-.1308	-.1234	-.1299	-.1297	.0839
180.000				-.1231	-.0813	-.0104	.2632
225.000							
270.000							
315.000							

ALPHA (3) = 4.154 BETA (3) = 3.961 RN/L = 2.6233 MACH = 2.5975 Q(PSF) = 515.18 PS = 2168.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.1069						
45.000			-.1246	-.1243	-.1198	-.1247	-.0490
90.000				-.1298			
135.000			-.1210	-.1301	-.1201	-.1203	.0795
180.000				-.1292	-.1173	-.1201	.0783
225.000							
270.000							
315.000							

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RESH61) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

ALPHA (1) = -3.890 BETA (1) = -4.042 RN/L = 2.5919 MACH = 2.5975 Q(PSF) = 515.35 PS = 2168.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0163 .0092 .0092 .0083 .0052 -.0222
 45.000 .0083
 90.000 -.0189 -.0365 -.0310 -.0277 .1669
 135.000 -.0043 .0157 .0173 .3099
 141.000
 180.000 .0100 .0105 .0149 .0154
 186.000 .0683
 219.000 .1044
 225.000 .0108
 270.000 .0191 .0262 .0775 .0408
 315.000 .0226 .0165 .0077 -.0401

ALPHA (1) = -3.900 BETA (2) = -.042 RN/L = 2.5919 MACH = 2.5975 Q(PSF) = 515.35 PS = 2168.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0203 .0307 .0351 .0410 .0421 .0248
 45.000 .0354
 90.000 .0172 .0148 .0019 -.0159 .0707
 135.000 -.0053 -.0239 -.0198 .2172
 141.000
 180.000 .0046 -.0251 -.0022 -.0008
 186.000 .0879
 219.000 .2455
 225.000
 270.000 .0288 .0338 -.0246
 315.000 .0201 .0382 .1573
 .0437 .0349 .0197

ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RES461)

ALPHA (1) = -3.940 BETA (3) = 3.958 RN/L = 2.5919 MACH = 2.5975 Q(PSF) = 515.35 PS = 2168.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0043 .0018 .0057 .0097 .0053 -.0244
 45.000 .0244 .0263 .0397 .0417 .0265
 90.000 .0420 .0256 .0125 -.0118 .1354
 135.000 .0024 .0269 -.0363 -.0556 .1279
 141.000 .0258 .0405 .0158 .0061 -.0060 .0569
 180.000 -.0062 -.0067 .0158 .0061 -.0060 .0569
 185.000 .0258 .0405 .0158 .0061 -.0060 .0569
 219.000 .0258 .0405 .0158 .0061 -.0060 .0569
 225.000 .0258 .0405 .0158 .0061 -.0060 .0569
 270.000 .0258 .0405 .0158 .0061 -.0060 .0569
 315.000 .0258 .0405 .0158 .0061 -.0060 .0569

ALPHA (2) = -.634 BETA (1) = -.039 RN/L = 2.5831 MACH = 2.5975 Q(PSF) = 515.35 PS = 2168.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0163 .0086 .0083 .0067 .0023 -.0461
 45.000 .0072 .0374 -.0357 -.0329 .1454
 90.000 -.0203 .0139 .0180 .0485 .3375
 135.000 .0177 .0172 .0232 .0238 .0440
 141.000 .0172 .0232 .0238 .0440 .0668
 180.000 .0172 .0232 .0238 .0440 .0668
 185.000 .0172 .0232 .0238 .0440 .0668
 219.000 .0172 .0232 .0238 .0440 .0668
 225.000 .0172 .0232 .0238 .0440 .0668
 270.000 .0155 .0163 .0628 .0155 .0114 .0084 .0619
 315.000 .0155 .0163 .0628 .0155 .0114 .0084 .0619

ALPHA (2) = -.063 BETA (2) = -.039 RN/L = 2.5831 MACH = 2.5975 Q(PSF) = 515.35 PS = 2168.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0136 .0193 .0315 .0356 .0378 -.0031
 45.000 .0215 .0215 .0314 .0314 .1033
 90.000 .0125 .0045 -.0185 -.0314 .1033
 135.000 .0036 .0049 .0263 .0263 .2382
 141.000 .0094 .0039 .0161 .0167 .0714
 180.000 .0094 .0039 .0161 .0167 .0714
 185.000 .0094 .0039 .0161 .0167 .0714

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TABULATED SOURCE DATA - 1A82C

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(RE5HQ1)

ET BASE

MPS=N

ARC87044 1A82 QTS(SRB=N

ALPHA (2) = -.063 BETA (2) = -.039

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .1543
 225.000 .0042
 270.000 .0394 .0521 .0827 .0918
 315.000 .0343 .0315 .0296 .0021

ALPHA (2) = .788 BETA (3) = 3.958 RN/L = 2.5831 MACH = 2.5975 Q(PSF) = 515.35 PS = 2168.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0197 .0178 .0175 .0192 .0172 -.0289
 45.000 .0181 .0343 .0445 .0373 .0271
 90.000 .0440 .0418 .0247 .0098 .0816
 135.000 .0181 .0412 .0151 .0057 .0871
 180.000 .0175 .0128 .0571 .0162 .0068 .1581
 219.000 .0219 .0409 .0571 .0348
 225.000 .0175 .0128 .0571 .0348
 270.000 .0175 .0128 .0571 .0348
 315.000 .0175 .0128 .0571 .0348

ALPHA (3) = 4.060 BETA (1) = -4.045 RN/L = 2.5774 MACH = 2.5975 Q(PSF) = 515.24 PS = 2168.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0299 .0170 .0194 .0223 .0204 -.0339
 45.000 .0222 .0084 -.0103 -.0264 -.0490 .0410
 90.000 -.0128 .0212 .0314 .4140
 135.000 .0371 .0156 .0405 .0432 .0507
 180.000 .0159 .0576
 219.000 .0200 .0186 .0231 .0206 .0184 -.0417
 225.000 .0159 .0576
 270.000 .0200 .0186 .0231 .0206 .0184 -.0417
 315.000 .0200 .0186 .0231 .0206 .0184 -.0417

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ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE (RE5H61)

ALPHA (3) = 4.009 BETA (2) = -.042 RN/L = 2.5774 MACH = 2.5975 Q(PSF) = 515.24 PS = 2168.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0111 .0227 .0296 .0305 .0278 -.0143
 45.000 .0251 .0097 -.0066 -.0215 .0716
 90.000 .0089 -.0041 .0363 .2528
 135.000 .0009 .0083 .0074 .0157 .0761
 180.000 .0337 .0364 -.0030 .0840 .0979
 225.000 .0337 .0364 -.0030 .0840 .0979
 270.000 .0337 .0364 -.0030 .0840 .0979
 315.000 .0337 .0364 -.0030 .0840 .0979

ALPHA (3) = 4.019 BETA (3) = 3.954 RN/L = 2.5774 MACH = 2.5975 Q(PSF) = 515.24 PS = 2168.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0355 .0335 .0363 .0392 .0372 -.0206
 45.000 .0341 .0365 .0374 .0317 -.0007 .0904
 90.000 .0374 .0350 .0350 .0169 .0774
 135.000 .0307 .0374 .0287 .0238 .0821
 180.000 .0376 .0791 .3313
 225.000 .0341 .0295 .1268
 270.000 .0411 .0323 .0202 .0319
 315.000 .0411 .0323 .0202 .0319

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ET BASE

(RES482) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

ALPHA (1) = -3.953 BETA (1) = -3.995 RN/L = 2.0861 MACH = 2.9974 O(PSF) = 373.26 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0795		-.1126	-.1149	-.1098	-.1182	-.0821
45.000				-.1141			
90.000			-.1175	-.1172	-.1147	-.1174	.1847
135.000				-.1172	-.1003	-.0277	.3065
141.000							
180.000			-.1244	-.1172	-.1231	-.0862	
186.000							.0784
219.000							.0974
225.000							.0446
270.000			-.1073	-.1191	.0236		
315.000				-.0950	-.1201	-.1166	-.0345

ALPHA (1) = -4.050 BETA (2) = .008 RN/L = 2.0861 MACH = 2.9974 O(PSF) = 373.26 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0837		-.1145	-.1160	-.1111	-.1222	-.0603
45.000				-.1175			
90.000			-.1210	-.1217	-.1187	-.1210	.1099
135.000				-.1221	-.0925	-.0454	.2249
141.000							
180.000			-.1305	-.1217	-.1092	-.0781	.0934
186.000							.1895
219.000							.1200
225.000			-.1095	-.1202	.0244		
270.000				-.0925	-.1172	-.1066	.0136
315.000							

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

ARC87044 1A82 OTS(SRB-OFF MPS-OFF) ET BASE (RESH62)

ALPHA (1) = -4.038 BETA (3) = 4.014 RN/L = 2.0861 MACH = 2.9974 Q(PSF) = 373.26 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0857						
45.000							
90.000							
135.000							
141.000							
180.000							
186.000							
219.000							
225.000							
270.000							
315.000							

ALPHA (2) = -.713 BETA (1) = -3.989 RN/L = 2.0829 MACH = 2.9974 Q(PSF) = 373.22 PS = 2171.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0802						
45.000							
90.000							
135.000							
141.000							
180.000							
186.000							
219.000							
225.000							
270.000							
315.000							

ALPHA (2) = -.091 BETA (2) = .011 RN/L = 2.0829 MACH = 2.9974 Q(PSF) = 373.22 PS = 2171.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0848						
45.000							
90.000							
135.000							
141.000							
180.000							
186.000							

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TABULATED SOURCE DATA - 1A82C

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(RE5482)

ET BASE

ARC87044 1A82 OTS(SRB=OFF MPS=OFF)

ALPHA (2) = -.091 BETA (2) = .011

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .0956
 225.000
 270.000 -.1190
 315.000 -.1046 -.1114 .0275 .0793
 -.0895 -.1146 -.1119 -.0036

ALPHA (2) = .581 BETA (3) = 4.014 RN/L = 2.0829 MACH = 2.9974 Q(PSF) = 373.22 PS = 2171.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0867
 45.000 -.1092 -.1103 -.1041 -.1136 -.0661
 90.000 -.1111
 135.000 -.1069 -.1092 -.1064 -.1079 .0406
 141.000 -.1065 -.1041 -.1110 .1027
 180.000 -.1122 -.1057 -.1178 -.1201
 186.000
 219.000 .0742
 225.000 .2650
 270.000 -.1057
 315.000 -.1050 -.1107 .0265 .1020
 -.0870 -.1144 -.1087 .0316

ALPHA (3) = 3.887 BETA (1) = -3.986 RN/L = 2.0804 MACH = 2.9974 Q(PSF) = 373.22 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0774
 45.000 -.0976 -.0976 -.0937 -.0994 -.0466
 90.000 -.1056
 135.000 -.1044 -.1113 -.1093 -.1100 .0423
 141.000 -.1117 -.0952 -.0033 .3229
 180.000 -.1105 -.1113 -.1043 -.0903
 186.000
 219.000 .0250
 225.000 .0409
 270.000 -.1109
 315.000 -.0926 -.1021 .0354 .0474
 -.0819 -.1032 -.1028 -.0492

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH62)

ALPHA (3) = 3.825 BETA (2) = .011 RN/L = 2.0804 MACH = 2.9974 Q(PSF) = 373.22 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .0803 - .0989 - .1008 - .0930 - .1070 - .0296
 45.000 - .1012 - .1000 - .1023 - .0972 - .0998 .0861
 90.000 - .1016 - .1042 - .1016 - .1104 - .0968 .1775
 135.000 - .1012 - .1035 - .0759 - .0987 - .1017 - .0050
 141.000 - .1012 - .1035 - .0759 - .0987 - .1017 - .0050
 180.000 - .1012 - .1035 - .0759 - .0987 - .1017 - .0050
 186.000 - .1012 - .1035 - .0759 - .0987 - .1017 - .0050
 219.000 - .1012 - .1035 - .0759 - .0987 - .1017 - .0050
 225.000 - .1012 - .1035 - .0759 - .0987 - .1017 - .0050
 270.000 - .1012 - .1035 - .0759 - .0987 - .1017 - .0050
 315.000 - .1012 - .1035 - .0759 - .0987 - .1017 - .0050

ALPHA (3) = 4.062 BETA (3) = +.011 RN/L = 2.0804 MACH = 2.9974 Q(PSF) = 373.22 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 - .0853 - .1005 - .1017 - .0954 - .1056 - .0422
 45.000 - .1040 - .0994 - .1013 - .0965 - .0977 .0790
 90.000 - .1009 - .1047 - .1005 - .1132 - .1167 .0919
 141.000 - .1047 - .1005 - .1132 - .1167 .0516
 180.000 - .1047 - .1005 - .1132 - .1167 .2380
 219.000 - .1002 - .0971 - .1021 - .0798 - .1034 - .1072
 225.000 - .1002 - .0971 - .1021 - .0798 - .1034 - .1072
 270.000 - .1002 - .0971 - .1021 - .0798 - .1034 - .1072
 315.000 - .1002 - .0971 - .1021 - .0798 - .1034 - .1072

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TABULATED SOURCE DATA -- IAB2C

ARC87044 IAB2 OTS(SRB=N) MPS=N) ET BASE

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(RES453) (13 JAN 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

ALPHA (1) = -4.053 BETA (1) = -3.989 RN/L = 2.0768 MACH = 2.9974 Q(PSF) = 373.63 PS = 2173.4

SECTION (1) ET BASE

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000
 DEPENDENT VARIABLE CP

PHI .000 .0556 .0526 .0583 .0619 .0623 .0524
 45.000 .0541 .0541 .0541 .0541 .0541 .0541
 90.000 .0192 .0192 .0176 .0262 .0323 .2029
 135.000 .0150 .0150 .0150 .0437 .0346 .3058
 141.000 .0366 .0366 .0249 .0160 .0258 .0833
 180.000 .0249 .0249 .0249 .0249 .0249 .1038
 186.000 .0249 .0249 .0249 .0249 .0249 .0734
 219.000 .0796 .0841 .0877 .0695 .0710 .0415
 270.000 .0796 .0841 .0877 .0695 .0710 .0415
 315.000 .0796 .0841 .0877 .0695 .0710 .0415

ALPHA (1) = -4.200 BETA (2) = .011 RN/L = 2.0768 MACH = 2.9974 Q(PSF) = 373.63 PS = 2173.4

SECTION (1) ET BASE

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000
 DEPENDENT VARIABLE CP

PHI .000 .0485 .0710 .0618 .0625 .0557 .0284
 45.000 .0694 .0694 .0694 .0694 .0694 .0694
 90.000 .0546 .0546 .0519 .0512 .0512 .1220
 135.000 .0265 .0265 .0296 .0428 .0428 .2230
 141.000 .0356 .0356 .0364 .0345 .0345 .0952
 180.000 .0250 .0250 .0250 .0250 .0250 .1500
 186.000 .0250 .0250 .0250 .0250 .0250 .1191
 219.000 .0535 .0516 .0697 .0663 .0663 .0223
 270.000 .0535 .0516 .0697 .0663 .0663 .0223
 315.000 .0535 .0516 .0697 .0663 .0663 .0223

(RESH63)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

PS = 2173.4

Q(PSF) = 373.63

MACH = 2.9974

BETA (3) = 4.011 RN/L = 2.0768

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0423	.0571	.0587	.0665	.0650	.0437	
45.000			.0769				
90.000		.0716	.0761	.0786	.0767	.0563	
135.000			.0476	.0464	.0301	.1435	
141.000				.0464	.0373	.1401	
180.000		.0427	.0454			.2946	
186.000							
219.000				.0454			
225.000		.0370	.0362	.1298	.2217		
270.000				.0688	.0504		
315.000					.0585	.0483	

PS = 2173.4

Q(PSF) = 373.59

MACH = 2.9974

BETA (1) = -3.995 RN/L = 2.0773

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0560	.0560	.0647	.0670	.0708	.0541	
45.000			.0571				
90.000		.0256	.0245	.0321	.0359	.1675	
135.000			.0427	.0416	.0549	.3155	
141.000				.0382	.0469	.0754	
180.000		.0503	.0427			.0648	
186.000							
219.000				.0434			
225.000		.0875	.0959	.1781	.0587		
270.000				.0765	.0428		
315.000					.0621	.0670	

PS = 2173.4

Q(PSF) = 373.59

MACH = 2.9974

BETA (2) = -.041 RN/L = 2.0773

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.0460	.0723	.0700	.0726	.0680	.0490	
45.000			.0639				
90.000		.0472	.0479	.0517	.0525	.1291	
135.000			.0472	.0297	.0206	.1454	
141.000							
180.000		.0430	.0472	.0403	.0369	.0546	
186.000							

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TABULATED SOURCE DATA - 1A82C

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(REB463)

ET BASE

ARC87044 1A82 OTS(SRB=N MPS=N)

ALPHA (2) = -.041 BETA (2) = .002

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000						.1013
225.000			.0472			.0724
270.000	.0601	.0563	.0847			.0397
315.000			.0741	.0718		

ALPHA (2) = .525 BETA (3) = 4.008 RN/L = 2.0773 MACH = 2.9874 Q(PSF) = 373.59 PS = 2173.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0353					
45.000		.0619	.0642	.0684	.0661	.0392
90.000		.0798	.0767	.0847	.0779	.0748
135.000			.0821	.0464	.0445	.1000
141.000			.0425			
180.000		.0460	.0387	.0471	.0449	.0883
186.000						.2641
219.000			.0391			.1016
225.000			.1359	.0536	.0479	.0321
270.000	.0414	.0441	.0650			
315.000						

ALPHA (3) = 3.909 BETA (1) = -3.992 RN/L = 2.0734 MACH = 2.9974 Q(PSF) = 373.55 PS = 2172.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0585					
45.000		.0508	.0642	.0611	.0509	.0318
90.000			.0593			
135.000		.0422	.0330	.0341	.0295	.0523
141.000			.0566	.0580	.0599	.3221
180.000		.0540	.0593	.0489	.0504	.0628
186.000						.0454
219.000						.0815
225.000			.0593			.0545
270.000	.0916	.0908	.0778	.0660	.0675	
315.000						

(RES4E3)

ET BASE

ARC87044 1A82 015-SRB-N WP3-N)

ALPHA (3) = 3.993 BETA (2) = .011 RN/L = 2.0734 MACH = 2.9974 Q(PSF) = 373.55 PS = 2172.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI .000	.0554	.0880	.0880	.0936	.0913	.0784
45.000		.0759				
90.000		.0698		.0735	.0447	.0997
135.000			.0732	.0530	.0360	.1577
141.000						
180.000		.0584	.0728	.0561	.0553	
186.000						.0802
219.000						.0905
225.000			.0732			
270.000	.0755	.0736	.1645		.1011	
315.000			.1016	.0917	.0913	.0749

ALPHA (3) = 3.859 BETA (3) = 4.017 RN/L = 2.0734 MACH = 2.9974 Q(PSF) = 373.55 PS = 2172.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI .000	.0488	.0659	.0723	.0794	.0798	.0647
45.000			.0830			
90.000		.0951	.0906	.0931	.0719	.1420
135.000			.0829	.0590	.0578	.1102
141.000						
180.000		.0678	.0495	.0738	.0741	.0810
186.000						.2370
219.000						
225.000			.0499			.0806
270.000	.0537	.0575	.1496			.0358
315.000			.0775	.0707	.0647	

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH64) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

ALPHA (1) = -4.213 BETA (1) = -4.080 RN/L = 1.6205 MACH = 3.4978 Q(PSF) = 244.46 PS = 2170.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0535		-.0854	-.0889	-.0779	-.0878	-.0733
45.000			-.0895	-.0895			
90.000			-.0883	-.0900	-.0849	-.0884	.1927
135.000				-.0895	-.0663	-.0130	
141.000							.3133
180.000			-.0953	-.0883	-.0884	-.0588	
186.000							.0806
219.000				-.0877			.0910
225.000			-.0807	-.0918	.1400		.1212
270.000					-.0466	-.0901	-.0855
315.000							-.0268

ALPHA (1) = -4.384 BETA (2) = -.086 RN/L = 1.6205 MACH = 3.4978 Q(PSF) = 244.46 PS = 2170.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0636		-.0880	-.0897	-.0785	-.0918	-.0617
45.000				-.0892			
90.000			-.0903	-.0892	-.0849	-.0895	.1193
135.000				-.0886	-.0651	-.0408	
141.000							.2397
180.000			-.0955	-.0874	-.0808	-.0593	
186.000							.0778
219.000							.1277
225.000							
270.000			-.0839	-.0926	.1396		.1788
315.000					-.0460	-.0895	-.0796

ARC87044 1A82 OTS(SRB-OFF MPS=OFF) ET BASE (RESH64)

ALPHA (1) = -4.360 BETA (3) = 3.914 RN/L = 1.6205 MACH = 3.4978 Q(PSF) = 244.46 PS = 2170.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
	-0.0639						
		-0.0906	-0.0929	-0.0794	-0.0898	-0.0753	
45.000			-0.0929				
90.000			-0.0923	-0.0834	-0.0857	.0070	
135.000			-0.0918	-0.0846	-0.0817	.1578	
141.000							
180.000		-0.0912	-0.0912	-0.0881	-0.0915	.1114	
186.000						.2100	
219.000			-0.0912			.2182	
225.000		-0.0860	-0.0929	.1391		.0475	
270.000			-0.0481	-0.0915	-0.0776		
315.000							

ALPHA (2) = -1.016 BETA (1) = -4.083 RN/L = 1.6210 MACH = 3.4978 Q(PSF) = 244.46 PS = 2170.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
	-0.0598						
		-0.0859	-0.0883	-0.0770	-0.0880	-0.0677	
45.000			-0.0900				
90.000			-0.0917	-0.0863	-0.0904	.1342	
135.000			-0.0923	-0.0700	-0.0155	.3032	
141.000							
180.000		-0.0952	-0.0917	-0.0904	-0.0660	.0489	
186.000						.0548	
219.000			-0.0912			.0773	
225.000		-0.0813	-0.0917	.1391		.0424	
270.000			-0.0474	-0.0898	-0.0880		
315.000							

ALPHA (2) = -2.294 BETA (2) = -0.086 RN/L = 1.6210 MACH = 3.4978 Q(PSF) = 244.46 PS = 2170.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
	-0.0648						
		-0.0822	-0.0834	-0.0739	-0.0889	-0.0466	
45.000			-0.0834				
90.000			-0.0863	-0.0820	-0.0860	.1186	
135.000			-0.0863	-0.0802	-0.0646	.2086	
141.000							
180.000		-0.0909	-0.0863	-0.0907	-0.0756	.0345	
186.000							

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TABULATED SOURCE DATA - 1A82C

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(RESH64)

ET BASE

ARC87044 1A82 OTS(SRB-OFF MPS-OFF)

ALPHA (2) = -.294 BETA (2) = -.086

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .0612
 225.000 -.0857
 270.000 .1418
 315.000 -.0414 -.0849 -.0843 -.0056

ALPHA (2) = .359 BETA (3) = 3.914 RN/L = 1.6210 MACH = 3.4978 Q(PSF) = 244.46 PS = 2170.8

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0691
 45.000 -.0860 -.0871 -.0770 -.0910 -.0602
 90.000 -.0877
 135.000 -.0860 -.0877 -.0823 -.0863 .0273
 141.000 -.0871 -.0846 -.0881 .1426
 180.000 -.0877 -.0866 -.0886 -.0910
 186.000 .0561
 219.000 .1751
 225.000 -.0860
 270.000 -.0831 -.0883 .1381 .1031
 315.000 -.0469 -.0921 -.0828 .0242

ALPHA (3) = 3.775 BETA (1) = -4.092 RN/L = 1.6196 MACH = 3.4978 Q(PSF) = 244.46 PS = 2170.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0535
 45.000 -.0744 -.0779 -.0861 -.0771 -.0429
 90.000 -.0796
 135.000 -.0808 -.0796 -.0800 -.0840 .0636
 141.000 -.0796 -.0620 -.0030 .3138
 180.000 -.0843 -.0785 -.0777 -.0626
 186.000 .0517
 219.000 .0163
 225.000 -.0785
 270.000 -.0709 -.0831 .1453 .0181
 315.000 -.0371 -.0765 -.0748 -.0469

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=OFF MPS=OFF) ET BASE (RESH64)

ALPHA (3) = 3.675 BETA (2) = -.086 RN/L = 1.6196 MACH = 3.4978 Q(PSF) = 244.46 PS = 2170.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI	.000	-.0628	-.0761	-.0767	-.0864	-.0837	-.0287
45.000				-.0784			
90.000			-.0813	-.0825	-.0774	-.0820	.0362
135.000				-.0831	-.0745	-.0588	
141.000							.4998
180.000			-.0860	-.0819	-.0866	-.0797	
186.000							.0206
219.000				-.0819			.0398
225.000				.1451			.1076
270.000		-.0761	-.0831	-.0357	-.0779	-.0826	-.0049
315.000							

ALPHA (3) = 3.665 BETA (3) = 3.920 RN/L = 1.6196 MACH = 3.4978 Q(PSF) = 244.46 PS = 2170.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI	.000	-.0676	-.0810	-.0822	-.0715	-.0866	-.0425
45.000				-.0822			
90.000			-.0804	-.0810	-.0762	-.0791	.0648
135.000				-.0804	-.0773	-.0808	
141.000							.1378
180.000			-.0833	-.0798	-.0831	-.0854	
186.000							.0327
219.000							.1471
225.000				-.0798			.0850
270.000		-.0775	-.0822	.1442	-.0849	-.0791	.0246
315.000				-.0402			

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N) MPS=N) ET BASE (RE5H65) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

ALPHA (1) = -4.288 BETA (1) = -4.086 RN/L = 1.6232 MACH = 3.4978 Q(PSF) = 245.28 PS = 2177.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 .0867 .0763 .0775 .0740 .0671 .0463
 45.000 .0804 .0456 .0410 .0451 .0503 .2093
 90.000 .0381 .0711 .0694 .3172
 135.000 .0752 .0514 .0642 .0590
 141.000 .0514 .2908 .1303
 180.000 .1087 .1267 .0769 .0723 .0377
 219.000 .0514 .1066
 225.000 .0910
 270.000 .1303
 315.000 .0377

ALPHA (1) = -4.228 BETA (2) = -.083 RN/L = 1.6232 MACH = 3.4978 Q(PSF) = 245.28 PS = 2177.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 .0763 .0630 .0514 .0572 .0514 .0502
 45.000 .0740 .0717 .0751 .0734 .0930
 90.000 .0740 .0757 .0595 .2258
 141.000 .0734 .0757 .0728 .0904
 180.000 .0734 .2365 .1401
 219.000 .0734 .1089
 225.000 .0613 .0590 .0763 .0722 .0638
 270.000 .0965
 315.000

(RE5H65)

ET BASE

MPS=N

ARC87044 1A82 OTS(SRB=N

ALPHA (1) = -4.303 BETA (3) = 3.917 RN/L = 1.6232 MACH = 3.4978 Q(PSF) = 245.28 PS = 2177.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0629	.0305	.0305	.0415	.0363	.0213
45.000			.0230		.0525	.0259	
90.000		.0519	.0473	.0438	.0317	.1984	
135.000			.0456	.0438	.0230	.0173	.1186
180.000							.2146
219.000				.0444			
225.000		.0282	.0236	.0267		.2204	
270.000			.0779	.0490	.0409	.0764	
315.000							

ALPHA (2) = -.950 BETA (1) = -4.089 RN/L = 1.6233 MACH = 3.4978 Q(PSF) = 245.26 PS = 2177.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0820	.0872	.0941	.0949	.0903	.0533
45.000			.0693	.0895	.0700	.0724	.1544
90.000			.0617	.0617	.0804	.0828	.3091
135.000			.0803	.0623	.0712	.0631	.1009
180.000							.0674
219.000				.0623			
225.000		.1127	.1300	.2941		.1165	
270.000			.1139	.0810	.0752	.0500	
315.000							

ALPHA (2) = -.194 BETA (2) = -.089 RN/L = 1.6233 MACH = 3.4978 Q(PSF) = 245.26 PS = 2177.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0568	.0690	.0539	.0559	.0490	.0490
45.000			.0522	.0672	.0559	.0548	.1050
90.000			.0545	.0557	.0438	.0317	.1978
135.000			.0499	.0545	.0525	.0513	.0741
180.000							
219.000							

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TABULATED SOURCE DATA - 1A82C

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(RESH65)

ARC87044 1A82 OTS(SRB=N MPS=N) ET BASE

ALPHA (2) = -.194 BETA (2) = -.089

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000 .0741
 225.000 .0557
 270.000 .0724 .0684 .0557
 315.000 .1412 .0744 .0637

ALPHA (2) = .325 BETA (3) = 3.917 RN/L = 1.6233 MACH = 3.4978 Q(PSF) = 245.28 PS = 2177.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0802 .0750 .0922 .0858 .0662
 45.000 .0831 .1216 .1228 .1170
 90.000 .1201 .0657 .0593 .1622
 135.000 .0854 .0600 .0904 .0818
 141.000 .0600 .0600 .0904 .0818
 180.000 .0600 .0600 .0904 .0818
 186.000 .0600 .0600 .0904 .0818
 219.000 .0600 .0600 .0904 .0818
 225.000 .0600 .0600 .0904 .0818
 270.000 .0709 .0663 .0910 .0760 .1073
 315.000 .1072 .0910 .0760 .0448

ALPHA (3) = 3.690 BETA (1) = -4.098 RN/L = 1.6224 MACH = 3.4978 Q(PSF) = 245.21 PS = 2177.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0813 .0860 .0848 .0931 .0806 .0610
 45.000 .0860 .0756 .0750 .0806 .0743 .0898
 90.000 .0756 .0744 .0823 .0832 .3179
 135.000 .0750 .0750 .0766 .0673 .1064
 141.000 .0750 .0750 .0766 .0673 .0302
 180.000 .0750 .0750 .0766 .0673 .0561
 186.000 .0750 .0750 .0766 .0673 .0699
 219.000 .0993 .1004 .1077 .0823 .0783
 225.000 .0993 .1004 .1077 .0823 .0783
 270.000 .0993 .1004 .1077 .0823 .0783
 315.000 .0993 .1004 .1077 .0823 .0783

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ARC87044 1A82 OTSISRB=N MPS=N) ET BASE (RE5H65)

ALPHA (3) = 3.716 BETA (2) = -.089 RN/L = 1.6224 MACH = 3.4978 Q(PSF) = 245.21 PS = 2177.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.1036	.1088	.1082	.1105	.1030	.0770
45.000				.1012			
90.000			.0978	.1001	.1041	.0989	.0752
135.000				.0978	.0989	.0966	
141.000							.2049
180.000			.0960	.0978	.1012	.1018	.1020
186.000							.0800
219.000				.0978			
225.000			.1232	.1221			.1430
270.000				.1365	.1151	.1139	.0922
315.000							

ALPHA (3) = 3.697 BETA (3) = 3.924 RN/L = 1.6224 MACH = 3.4978 Q(PSF) = 245.21 PS = 2177.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0962	.0968	.0957	.0993	.0947	.0722
45.000				.1020			
90.000			.1171	.1061	.0982	.1017	.1687
135.000				.1066	.0988	.0947	
141.000							.1931
180.000			.1043	.1066	.1074	.1069	.0999
186.000							.1520
219.000				.1066			
225.000			.0933	.0910			.0936
270.000				.1207	.1022	.0988	.0398
315.000							

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A02C

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ARC87044 1A82 OTS(SRB=N MPS=NO.1 OFFJET BASE

(RESH66) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

ALPHA (1) = -4.066 BETA (1) = -.042 RN/L = 2.6046 MACH = 2.5975 Q(PSF) = 515.91 PS = 2172.0

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000
 .0209
 .0256 .0286 .0378 .0392 .0213
 .0204
 .0162 .0198 .0045 -.0023 .0744
 .0036 -.0251 -.0194 .2188
 .0030 -.0187 -.0001 -.0001
 .0179
 .0259 .0270 .0678 .1770
 .0397 .0345 .0320 .0194

ALPHA (2) = -.740 BETA (1) = -.4042 RN/L = 2.6059 MACH = 2.5975 Q(PSF) = 515.86 PS = 2171.3

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000
 .0149
 .0077 .0071 .0040 .0010 -.0458
 .0060
 -.0234 -.0397 -.0383 -.0359 .1433
 -.0113 .0163 .0449 .3314
 .0157 .0154 .0224 .0229
 .0154
 .0157 .0171 .0154 .0620 .0616
 .0144 .0108 .0067 -.0410

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=NO.1 OFFJET BASE (RESH66)

ALPHA (2) = -.081 BETA (2) = -.042 RN/L = 2.6059 MACH = 2.5975 Q(PSF) = 515.86 PS = 2171.3

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0093	.0181	.0313	.0361	.0405	.0015
45.000		.0200	.0057	-.0169	-.0366	.1015
90.000		.0112	.0046	.0018	.0221	.2311
135.000			.0071	.0048	.0131	.0128
141.000						.0683
180.000						.1627
186.000						
219.000						.0986
225.000		.0382	.0519			.0032
270.000			.0364	.0328	.0320	
315.000						

ALPHA (2) = .569 BETA (3) = 3.954 RN/L = 2.6059 MACH = 2.5975 Q(PSF) = 515.86 PS = 2171.3

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0158	.0133	.0133	.0145	.0090	-.0382
45.000		.0183	.0400	.0406	.0362	.0206
90.000		.0408	.0414	.0184	.0030	.0787
135.000			.0130	.0199	.0038	.0897
141.000						.3318
180.000						.1629
186.000						.0366
219.000						
225.000		.0128	.0078	.0176	.0112	.0013
270.000						
315.000						

ALPHA (3) = 4.053 BETA (1) = -.042 RN/L = 2.6018 MACH = 2.5975 Q(PSF) = 515.91 PS = 2171.3

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0086	.0199	.0271	.0276	.0243	-.0158
45.000		.0213	.0070	-.0076	-.0185	.0705
90.000		.0144	-.0049	-.0048	.0414	.2657
135.000			-.0007	-.0049	.0144	.0762
141.000						
180.000						
186.000						

(RES466)

TABULATED SOURCE DATA - 1A82C
 ARCB7044 1A82 OTS(SRB=N) MPS=NO.1 OFFSET BASE

DATE 06 FEB 76
 ALPHA (3) = 4.053
 SECTION (1) OFFSET BASE
 R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000
 BETA (1) = -.042
 DEPENDENT VARIABLE CP
 .0043 .0853 .0213 .0238
 .0309 .0367 .0326
 PHI
 219.000
 225.000
 270.000
 315.000

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ARC87044 1A82 OTS(SRB=N MPS=NO.1 OFFSET BASE

(RE5H67) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -4.088 BETA (1) = .011 RN/L = 2.1051 MACH = 2.9974 Q(PSF) = 374.07 PS = 2176.3

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0464	.0631	.0548	.0543	.0471	.0202
45.000				.0612			
90.000			.0506	.0422	.0433	.0433	.1222
135.000				.0342	.0353	.0444	
141.000							.2273
180.000			.0377	.0323	.0372	.0357	
186.000							.0937
219.000							.1874
225.000			.0487	.0472	.0331		.1187
270.000					.1389	.0619	.0227
315.000					.0736		

ALPHA (2) = -.691 BETA (1) = -3.986 RN/L = 2.1041 MACH = 2.9974 Q(PSF) = 374.03 PS = 2176.1

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0535	.0523	.0611	.0631	.0669	.0513
45.000				.0531			
90.000			.0215	.0215	.0290	.0331	.1669
135.000				.0364	.0396	.0494	
141.000							.3105
180.000			.0474	.0360	.0343	.0430	
186.000							.0725
219.000							.0653
225.000				.0352			.0482
270.000		.0819	.0914	.1768			.0345
315.000				.0718	.0566	.0612	

DATE 06 FEB 76 TABULATED SOURCE DATA - 1A82C (RE5H67)

ALPHA (3) = 3.978 BETA (1) = .014 ARC87044 1A82 OTS(SRB=N MPS=NO.1 OFF)ET BASE

SECTION (1) ET BASE DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
219.000				.0479			.0853
225.000			.0692	.1597		.1001	
270.000	.0703			.0964	.0858	.0861	.0724
315.000							

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB+N MPS=NO.1 OFFJET BASE

(RESH68) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -4.287 BETA (1) = -.083 RN/L = 1.6452 MACH = 3.4978 Q(PSF) = 245.13 PS = 2176.3

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0754 .0538 .0511 .0563 .0517 .0506
 45.000 .0772 .0772 .0789 .0771 .0939
 90.000 .0754 .0783 .0691 .0719 .0540 .2371
 135.000 .0650 .0667 .0667 .0667 .0615 .0860
 180.000 .0650 .0667 .0667 .0667 .0615 .1399
 186.000 .0650 .0667 .0667 .0667 .0615 .1063
 219.000 .0650 .0667 .0667 .0667 .0615 .0640
 225.000 .0650 .0667 .0667 .0667 .0615 .1063
 270.000 .0650 .0667 .0667 .0667 .0615 .0640
 315.000 .0650 .0667 .0667 .0667 .0615 .1063

ALPHA (2) = -.938 BETA (2) = -4.083 RN/L = 1.6440 MACH = 3.4978 Q(PSF) = 245.10 PS = 2176.3

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0795 .0813 .0877 .0868 .0833 .0509
 45.000 .0853 .0853 .0853 .0853 .0853 .0853
 90.000 .0627 .0627 .0627 .0627 .0627 .0627
 135.000 .0749 .0749 .0749 .0749 .0749 .0749
 141.000 .0772 .0772 .0772 .0772 .0772 .0772
 180.000 .0772 .0772 .0772 .0772 .0772 .0772
 186.000 .0772 .0772 .0772 .0772 .0772 .0772
 219.000 .0784 .0784 .0784 .0784 .0784 .0784
 225.000 .2933 .2933 .2933 .2933 .2933 .2933
 270.000 .1091 .1091 .1091 .1091 .1091 .1091
 315.000 .1282 .1282 .1282 .1282 .1282 .1282

ARC87044 1A82 QTS(SRB=N MPS=NO.1 OFFJET BASE (RESH68)

ALPHA (2) = -.240 BETA (2) = -.086 RN/L = 1.6440 MACH = 3.4978 Q(PSF) = 245.10 PS = 2176.3

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/R/D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0710 .0599 .0531 .0549 .0485 .0491
 45.000 .0716 .0716
 90.000 .0566 .0629 .0630 .0618 .1063
 135.000 .0525 .0491 .0358 .2082
 141.000
 180.000 .0525 .0560 .0606 .0569 .0739
 186.000 .0779
 219.000
 225.000 .0560
 270.000 .0907 .0815 .0560 .2554 .1468
 315.000 .1115 .0872 .0820 .0635

ALPHA (2) = .290 BETA (3) = 3.917 RN/L = 1.6440 MACH = 3.4978 Q(PSF) = 245.10 PS = 2176.3

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/R/D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0864 .0829 .0840 .0910 .0870 .0633
 45.000 .0904
 90.000 .1118 .1165 .1136 .1014
 135.000 .0615 .0598 .0592 .1823
 141.000
 180.000 .0869 .0783 .0847 .0835 .0903
 186.000 .1841
 219.000
 225.000 .0840
 270.000 .0725 .0719 .2460 .1054
 315.000 .1095 .0904 .0858 .0365

ALPHA (3) = 3.803 BETA (1) = -.089 RN/L = 1.6402 MACH = 3.4978 Q(PSF) = 244.97 PS = 2174.9

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/R/D .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0935 .0999 .0999 .1016 .0946 .0715
 45.000 .0929
 90.000 .0912 .0906 .0935 .0888 .0698
 135.000 .0935 .0952 .0935 .2127
 141.000
 180.000 .0935 .0935 .0975 .0997
 186.000

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=NO.1 OFF)ET BASE

(RE5H68)

ALPHA (3) = 3.803 BETA (1) = -.069

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
219.000							.0783
225.000				.0935			
270.000	.1103		.1086	.2699			.1403
315.000				.1247	.1050	.1039	.0795

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DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N) MPS=NO.2 OFFJET BASE

(RESH69) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

ALPHA (1) = -4.116 BETA (1) = -.046 RN/L = 2.6667 MACH = 2.5975 Q(PSF) = 515.75 PS = 2172.0

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 .0031 -.0013 .0012 .0034 -.0004 -.0321
 45.000 -.0030 -.0074 -.0238 -.0216 .0654
 90.000 -.0212 -.0118 .0164 .0244 .2158
 135.000 .141.000 .0026 .0141 .0180 .0142
 180.000 .186.000 .0005 .0009 .0051 .0031 -.0040
 219.000 .270.000 .0113 .0414 .1852
 270.000 .315.000 .0051 .0031 -.0040 .0182

ALPHA (2) = -.693 BETA (1) = -4.042 RN/L = 2.6580 MACH = 2.5975 Q(PSF) = 515.97 PS = 2171.3

SECTION (1) JET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0014 -.0088 -.0105 -.0135 -.0191 -.0554
 45.000 -.0135 -.0416 -.0515 -.0507 -.0496 .1412
 90.000 -.0515 -.0138 -.0113 .0214 .3284
 135.000 .141.000 -.0080 -.0052 -.0047 -.0053 .0378
 180.000 .186.000 -.0047 -.0048 .0568
 219.000 .270.000 -.0028 -.0011 -.0031 -.0102 -.0135 .0598
 270.000 .315.000 -.0031 -.0102 -.0135 -.0421

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(REFSH69)

ARC87044 1A82 OTS(SRB=N MPS=NO.2 OFF)ET BASE

ALPHA '(2) =	- .031	BETA (2) =	- .039	RN/L	= 2.6580	MACH	= 2.5975	Q(PSF)	= 515.97	PS	= 2171.3
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SECTION () ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
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PHI	- .0010	.0031	.0111	.0112	.0095	-.0304
.000			.0023			
45.000						
90.000		-.0076	-.0109	-.0081	-.0086	.0998
35.000			-.0137	-.0130	.0175	
41.000						.2333
80.000		-.0092	-.0115	-.0018	.0004	
86.000						.0662
119.000						.1623
225.000			-.0098			
270.000	.0180	.0326	.0662			.1006
5.000			.0161	.0103	.0068	.0029

ALPHA (2) =	.566	BETA (3) =	3.954	RN/L	=	2.6580	MACH	=	2.5975	Q(PSF)	=	515.97	PS	=	2171.3
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SECTION () NET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
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PHI	.0039	.0025	.0017	.0013	-.0045	-.0487
.000			.0011			
45.000						
90.000		.0124	.0135	.0150	.0076	.0145
35.000			.0080	.0024	-.0108	
41.000						.0793
80.000		-.0011	.0020	-.0039	-.0125	
85.000						.0914
19.000						.3314
25.000			-.0033			
270.000	.0039	.0017	.0392			.1630
5.000			.0046	-.0026	-.0105	.0383

ALPHA (3) =	4.091	BETA (1) =	-0.042	RN/L =	2.6476	MACH =	2.5975	Q(PSF) =	515.75	PS	=	2170.6
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SECTION () ET BASE

DEPENDENT VARIABLE CP:

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
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PHI					
.000	.0056				
45.000		.0100	.0108	.0116	.0078
90.000			.0089		
135.000		.0097	-.0159	-.0159	-.0107
180.000			-.0247	-.0151	.0380
225.000					
270.000					
315.000					
360.000					
405.000					
450.000					
495.000					
540.000					
585.000					
630.000					
675.000					
720.000					
765.000					
810.000					
855.000					
900.000					
945.000					
990.000					
1035.000					
1080.000					
1125.000					
1170.000					
1215.000					
1260.000					
1305.000					
1350.000					
1395.000					
1440.000					
1485.000					
1530.000					
1575.000					
1620.000					
1665.000					
1710.000					
1755.000					
1800.000					
1845.000					
1890.000					
1935.000					
1980.000					
2025.000					
2070.000					
2115.000					
2160.000					
2205.000					
2250.000					
2295.000					
2340.000					
2385.000					
2430.000					
2475.000					
2520.000					
2565.000					
2610.000					
2655.000					
2700.000					
2745.000					
2790.000					
2835.000					
2880.000					
2925.000					
2970.000					
3015.000					
3060.000					
3105.000					
3150.000					
3195.000					
3240.000					
3285.000					
3330.000					
3375.000					
3420.000					
3465.000					
3510.000					
3555.000					
3600.000					
3645.000					
3690.000					
3735.000					
3780.000					
3825.000					
3870.000					

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TABULATED SOURCE DATA - 1A82C

PAGE 600

ARC87044 1A82 OTS(SRB=N MPS=NO.2 OFF)ET BASE

(RE5H69)

ALPHA (3) = 4.091 BETA (1) = -0.042

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI

219.000

225.000

270.000

315.000

.0938

-.0209

.0614

.0210

.1257

.0138

.0152

-.0021

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TABULATED SOURCE DATA - 1A82C

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ARC67044 1A82 OTS(SRB=N MPS=NO.2 OFF)ET BASE

(RESH70) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

ALPHA (1) = -4.097 BETA (1) = .011 RN/L = 2.1221 MACH = 2.9974 Q(PSF) = 373.95 PS = 2175.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0501	.0513	.0429	.0423	.0359	.0093
45.000				.0490			
90.000			.0456	.0403	.0404	.0389	.1220
135.000				.0562	.0632	.0636	
141.000							.2219
180.000			.0551	.0581	.0590	.0552	
186.000							.0936
219.000							.1877
225.000		.0524	.0520	.0573			.1247
270.000				.1375			.0169
315.000				.0658	.0571	.0529	

ALPHA (2) = -1.834 BETA (1) = -3.986 RN/L = 2.1180 MACH = 2.9974 Q(PSF) = 373.91 PS = 2175.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0483	.0456	.0472	.0479	.0444	.0202
45.000				.0399			
90.000			.0156	.0012	.0039	.0042	.1639
135.000				.0517	.0505	.0585	
141.000							.3113
180.000			.0544	.0540	.0547	.0547	
186.000							.0655
219.000							.0690
225.000		.0544	.0582	.0532			.0302
270.000				.1473			.0154
315.000				.0551	.0456	.0444	

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

(RESH70)

ARC87044 1A82 OTS(SRB=N MPS=NO.2 OFF)ET BASE

ALPHA (2) = -.056 BETA (2) = .011 RN/L = 2.1180 MACH = 2.9974 Q(PSF) = 373.91 PS = 2175.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0513	.0623	.0577	.0589	.0543	.0361
45.000			.0653			
90.000		.0528	.0535	.0543	.0543	.1313
135.000			.0403	.0361	.0213	
141.000						.1405
180.000		.0460	.0391	.0376	.0334	
186.000						.0467
219.000						.1071
225.000			.0391			.0779
270.000	.0471	.0452	.1439			.0205
315.000			.0702	.0581	.0547	

ALPHA (2) = .481 BETA (3) = 4.008 RN/L = 2.1180 MACH = 2.9974 Q(PSF) = 373.91 PS = 2175.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0424	.0454	.0469	.0489	.0436	.0228
45.000			.0572			
90.000		.0716	.0701	.0698	.0622	.0823
135.000			.0435	.0482	.0463	
141.000						.1070
180.000		.0507	.0481	.0550	.0550	
186.000						.0976
219.000						.2732
225.000			.0519			.1070
270.000	.0386	.0378	.1353	.0501	.0433	.0365
315.000			.0592			

ALPHA (3) = 3.937 BETA (1) = .014 RN/L = 2.1136 MACH = 2.9974 Q(PSF) = 373.83 PS = 2174.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000	.0529	.0605	.0666	.0712	.0727	.0432
45.000			.0598			
90.000		.0541	.0457	.0416	.0162	.0959
135.000			.0571	.0557	.0398	
141.000						.1619
180.000		.0613	.0590	.0614	.0610	
186.000						.0849

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=NO.2 OFF)ET BASE

(RESH70)

ALPHA (3) = 3.937 BETA (1) = .014

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI

219.000

225.000

270.000

315.000

.0917

.0594

.1702

.0791

.0799

.0811

.0701

.0708

.0200

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB-N MPS=NO.2 OFFJET BASE

(RESH71) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 50.FT. XMRP = 976.0000 IN.XI
 LREF = 1290.5000 FT. YMRP = .0000 IN.YI
 BREF = 1290.5000 FT. ZMRP = 400.0000 IN.ZI
 SCALE = .0100

ALPHA (1) = -4.225 BETA (1) = -.083 RN/L = 1.6467 MACH = 3.4978 Q(PSF) = 244.41 PS = 2169.9

SECTION (1) DET BASE

DEPENDENT VARIABLE CP

R/R00	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0456	.0352	.0276	.0310	.0240	.0182
45.000				.0387			
90.000			.0323	.0335	.0350	.0339	.1075
135.000				.0561	.0698	.0652	.2244
141.000							
180.000			.0654	.0650	.0791	.0779	.0851
185.000							.1292
219.000				.0700			.1193
225.000		.0381	.0398	.2240	.0466	.0414	.0386
270.000				.0675			
315.000							

ALPHA (2) = -.957 BETA (1) = -4.083 RN/L = 1.6447 MACH = 3.4978 Q(PSF) = 244.41 PS = 2169.2

SECTION (1) DET BASE

DEPENDENT VARIABLE CP

R/R00	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	.0701	.0614	.0579	.0609	.0540	.0221
45.000				.0660			
90.000			.0445	.0347	.0389	.0441	.1497
135.000				.0834	.0911	.0934	.3114
141.000							
180.000			.0869	.0869	.0696	.0627	.0862
186.000							.0636
219.000				.0869			.0543
225.000		.0620	.0625	.2378	.0618	.0563	.0276
270.000							
315.000							

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELY-18 = .000 ELY-08 = .000

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OTS(SRB=N MPS=NO.2 OFF)ET BASE

(RE5H71)

ALPHA (2) = -.291 BETA (2) = -.086 RN/L = 1.6447 MACH = 3.4978 Q(PSF) = 244.41 PS = 2169.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0572		.0665	.0607	.0677	.0613	.0405
45.000				.0648			
90.000			.0578	.0555	.0602	.0590	.1436
135.000				.0590	.0648	.0625	
141.000							.1978
180.000			.0613	.0654	.0735	.0735	
186.000							.0818
219.000							.0853
225.000				.0683			
270.000	.0578		.0555	.2351			.1607
315.000				.0897	.0694	.0648	.0365

ALPHA (2) = .231 BETA (3) = 3.914 RN/L = 1.6447 MACH = 3.4978 Q(PSF) = 244.41 PS = 2169.2

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0471		.0552	.0576	.0675	.0629	.0460
45.000				.0698			
90.000			.0785	.0773	.0791	.0785	.0629
135.000				.0454	.0437	.0373	
141.000							.1604
180.000			.0512	.0471	.0524	.0501	
186.000							.0746
219.000							.1831
225.000				.0494			
270.000	.0483		.0494	.2339			.1041
315.000				.0837	.0582	.0530	.0305

ALPHA (3) = 3.719 BETA (1) = -.086 RN/L = 1.6449 MACH = 3.4978 Q(PSF) = 244.41 PS = 2170.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	.0703		.0703	.0744	.0800	.0771	.0626
45.000				.0709			
90.000			.0668	.0645	.0643	.0614	.0568
135.000				.0802	.0835	.0852	
141.000							.2054
180.000			.0842	.0871	.0904	.0910	
186.000							.0923

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ARC87044 1A82 OTS(SRB=N) MPS=NO.2 OFFJET BASE

(RESHT1)

ALPHA (3) = 3.719 BETA (1) = -.086

SECTION (JET BASE) DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
219.000							.0743
225.000				.0883			
270.000	.0831	.0807		.2516			.1346
315.000			.1020	.0823	.0788		.0441

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OT (MPS=NO.2 OFF)

ET BASE

(RESHT2) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

ALPHA (1) = -4.334 BETA (1) = -.086 RN/L = 1.7159 MACH = 3.4978 Q(PSF) = 244.46 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0530	-.0797	-.0803	-.0701	-.0875	-.0307	
45.000		-.0814					
90.000		-.0832	-.0788	-.0869	-.0202		
135.000			-.0826	-.0823			
141.000					.1454		
180.000		-.0843	-.0820	-.0869	-.0805		
186.000						.0272	
219.000			-.0808			.0411	
225.000							
270.000		-.0750	-.0820		-.0076		
315.000			-.0388	-.0800	-.0840	-.0290	

ALPHA (2) = -.857 BETA (1) = -4.086 RN/L = 1.7028 MACH = 3.4978 Q(PSF) = 244.46 PS = 2171.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0518	-.0808	-.0826	-.0693	-.0797	-.0537	
45.000		-.0843					
90.000		-.0820	-.0872	-.0791	-.0699	.0454	
135.000			-.0861	-.0786	-.0415	.2899	
141.000							
180.000		-.0814	-.0861	-.0774	-.0658	.0246	
186.000						.0008	
219.000			-.0855				
225.000			.1415				
270.000		-.0756	-.0826		-.0293		
315.000			-.0392	-.0780	-.0768	-.0464	

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = .0000 ELV-08 = .0000

(RESH72)

ET BASE

ARC87044 1A82 OT (MPS=NO.2 OFF)

ALPHA (2) = -.194 BETA (2) = -.086 RN/L = 1.7028 MACH = 3.4978 Q(PSF) = 244.46 PS = 2171.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0557	-.0777	-.0788	-.0664	-.0815	-.0366	
45.000		-.0794					
90.000		-.0788		-.0768	-.0786	.0088	
135.000		-.0777		-.0757	-.0664		
141.000						.1985	
180.000		-.0783	-.0771	-.0774	-.0682		
186.000						.0497	
219.000						.0879	
225.000			-.0759				
270.000		-.0748	-.0800	.1419		.0126	
315.000			-.0369	-.0757	-.0768	-.0244	

ALPHA (2) = .465 BETA (3) = 3.914 RN/L = 1.7028 MACH = 3.4978 Q(PSF) = 244.46 PS = 2171.5

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0862	-.1043	-.1066	-.0738	-.0866	-.0582	
45.000		-.1050					
90.000		-.1048	-.0796	-.0872	-.0245		
135.000		-.1043	-.0825	-.0872			
141.000					.1244		
180.000		-.1078	-.1031	-.0860	-.0901		
186.000						.0977	
219.000						.2092	
225.000			-.1031				
270.000		-.1013	-.1072	.1357		.0710	
315.000			-.0436	-.0860	-.0854	.0078	

ALPHA (3) = 3.840 BETA (1) = 3.917 RN/L = 1.6958 MACH = 3.4978 Q(PSF) = 244.57 PS = 2169.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0617	-.0763	-.0779	-.0664	-.0762	-.0542	
45.000		-.0768					
90.000		-.0779	-.0762	-.0733	-.0797	-.0027	
135.000		-.0756	-.0762	-.0785			
141.000						.1554	
180.000		-.0768	-.0750	-.0739	-.0756		
186.000						.1107	

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TABULATED SOURCE DATA - 1A82C

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(RES472)

ET BASE

ARC87044 1A82 OT (MPS=NO.2 OFF)

ALPHA (3) = 3.840 BETA (1) = 3.917

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI

219.000

225.000

270.000

315.000

-.0750

.1410

-.0363

-.0751

-.0803

.2562

.0904

.0029

ARC87044 1A82 OT (MPS-NO.1 OFF)

ET BASE

(RESH73) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 DREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

ALPHA (1) = -4.272 BETA (1) = -.086 RN/L = 1.7305 MACH = 3.4978 Q(PSF) = 244.73 PS = 2174.1

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0559	-.0825	-.0849	-.0716	-.0884	-.0305	
45.000		-.0843					
90.000		-.0866	-.0831	-.0797	-.0878	-.0242	
135.000			-.0825	-.0786	-.0797		
141.000						.1436	
180.000		-.0860	-.0814	-.0843	-.0797		
186.000						.0237	
219.000			-.0808			.0376	
225.000		-.0779	-.0849	.1385		-.0110	
270.000				-.0404	-.0809	-.0843	-.0319
315.000							

ALPHA (2) = -.907 BETA (1) = -4.089 RN/L = 1.7144 MACH = 3.4978 Q(PSF) = 244.86 PS = 2173.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R0D	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0516	-.0788	-.0811	-.0688	-.0780	-.0549	
45.000			-.0823				
90.000		-.0805	-.0817	-.0798	-.0694	.0358	
135.000			-.0805	-.0798	-.0428		
141.000						.2862	
180.000		-.0817	-.0800	-.0792	-.0676		
186.000					.0251		
219.000					-.0021		
225.000			-.0800				
270.000	-.0747	-.0817	.1415		-.0322		
315.000			-.0388	-.0780	-.0769	-.0502	

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OT (MPS=NO.1 OFF)

(RE5H73)

ET BASE

ALPHA (2) = -.216 BETA (2) = -.083 RN/L = 1.7144 MACH = 3.4978 Q(PSF) = 244.86 PS = 2173.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 -.0559 -.0779 -.0791 -.0668 -.0824 -.0408
 45.000 -.0779 -.0779
 90.000 -.0831 -.0773 -.0772 -.0807 .0002
 135.000 -.0773 -.0773 -.0708 -.0674 .1957
 141.000
 180.000 -.0768 -.0762 -.0720 -.0597 .0458
 186.000 .0863
 219.000
 225.000 -.0756
 270.000 -.0745 -.0791 .1429 .0105
 315.000 -.0368 -.0737 -.0760 -.0248

ALPHA (2) = .247 BETA (3) = 3.914 RN/L = 1.7144 MACH = 3.4978 Q(PSF) = 244.86 PS = 2173.6

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 -.0637 -.0817 -.0829 -.0725 -.0818 -.0615
 45.000 -.0817
 90.000 -.0805 -.0805 -.0777 -.0829 -.0332
 135.000 -.0800 -.0800 -.0852 .1287
 141.000
 180.000 -.0834 -.0794 -.0835 -.0870 .0934
 186.000 .2057
 219.000
 225.000 -.0762
 270.000 -.0788 -.0846 .1333 .0668
 315.000 -.0436 -.0835 -.0870 .0048

ALPHA (3) = 3.944 BETA (1) = -.083 RN/L = 1.6985 MACH = 3.4978 Q(PSF) = 244.81 PS = 2172.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 -.0527 -.0724 -.0724 -.0613 -.0728 -.0445
 45.000 -.0730
 90.000 -.0736 -.0724 -.0717 -.0717 .0260
 135.000 -.0718 -.0694 -.0538
 141.000 .2760
 180.000 -.0584 -.0713 -.0642 -.0590
 186.000 .0890

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(RE5H73)

ET BASE

ARC87044 1A82 OT (MPS=NO.1 OFF)

ALPHA (3) = 3.944 BETA (1) = -.083

SECTION (1) ET BASE DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI							
219.000							.1214
225.000				-.0707			
270.000		-.0701	-.0730	.1457		.0265	
315.000			-.0335	-.0694	-.0705	-.0273	

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OT (MPS-OFF)

ET BASE

(RESH74) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

ALPHA (1) = -4.344 BETA (1) = -.083 RN/L = 1.7031 MACH = 3.4978 Q(PSF) = 244.57 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 -.0644 -.0951 -.0980 -.0876 -.0922 -.0285
 45.0000 -.0992 -.0974 -.0980 -.0939 -.0887 -.0222
 90.0000 -.0988 -.0968 -.0962 -.0841 .1494
 135.0000 141.0000
 180.0000 186.0000
 219.0000 225.0000
 270.0000 315.0000
 -.0887 -.0986 -.0951 -.0951 -.0852 -.0290
 -.0951 .1358

ALPHA (2) = -.919 BETA (1) = -4.086 RN/L = 1.6947 MACH = 3.4978 Q(PSF) = 244.62 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 -.0629 -.0925 -.0954 -.0850 -.0960 -.0612
 45.0000 -.0960 -.0948 -.0954 -.0884 -.0769 .0320
 90.0000 135.0000
 141.0000 180.0000
 186.0000 219.0000
 225.0000 270.0000
 315.0000
 -.0989 -.0937 -.0960 -.0705 .2982
 -.0925 .0223
 .1344 -.0032
 -.0873 -.0971 -.0531 -.0954 -.0925 -.0328
 -.0513

(RES474)

ET BASE

ARC87044 1A82 OT (MPS-OFF)

ALPHA (2) = -.044 BETA (2) = -.086 RN/L = 1.6947 MACH = 3.4978 Q(PSF) = 244.62 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI .000

.0676 -.0913 -.0919 -.0826 -.0913 -.0439

45.000

.0931 -.0937 -.0925 -.0850 -.0010

90.000

.135.000

.0908 -.0931 -.0722 .1977

141.000

.0971 -.0908 -.0919 -.0740

180.000

.0463

186.000

.0863

219.000

.0902

225.000

.1350

270.000

.0098

315.000

-.0884 -.0960 -.0485 -.0913 -.0896 -.0267

ALPHA (2) = .347 BETA (3) = 3.920 RN/L = 1.6947 MACH = 3.4978 Q(PSF) = 244.62 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI .000

.0716 -.0908 -.0931 -.0803 -.0919 -.0578

45.000

.0942 -.0943 -.0931 -.0884 -.0913 -.0288

90.000

.135.000

.0925 -.0907 -.0907 .1262

141.000

.0942 -.0913 -.0936 -.0965

180.000

.0967

186.000

.2085

219.000

.0712

225.000

.1389

270.000

.0080

315.000

-.0873 -.0942 -.0485 -.0931 -.0878

ALPHA (3) = 3.800 BETA (1) = -.083 RN/L = 1.6890 MACH = 3.4978 Q(PSF) = 244.57 PS = 2172.0

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI .000

.0612 -.0821 -.0844 -.0757 -.0873 -.0462

45.000

.0855

90.000

.0838 -.0832 -.0745 .0273

135.000

.0844 -.0838 -.0543 .2702

141.000

.0879 -.0832 -.0578 .0906

180.000

.0906

(RE5H74)

ET BASE

TABULATED SOURCE DATA - 1A82C

ARC87044 1A82 OT (MPS=OFF)

ALPHA (3) = 3.800 BETA (1) = -.083

SECTION (1) ET BASE DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
219.000							.1230
225.000				-.0832			
270.000		-.0786	-.0850	.1430		.0292	
315.000			-.0421	-.0832	-.0803	-.0247	

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ARC87044 1A82 OT (MPS=NOM)

ET BASE

(RE5H75) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

ALPHA (1) = -4.090 BETA (1) = -.083 RN/L = 1.6837 MACH = 3.4978 Q(PSF) = 244.89 PS = 2172.0

SECTION (1) ET BASE DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000 -0.0511 -.0772 -.0783 -.0694 -.0867 -.0301
 45.000 -.0789
 90.000 -.0807 -.0772 -.0781 -.0861 -.0243
 135.000 -.0772 -.0769 -.0786 .1586
 141.000
 180.000 -.0807 -.0772 -.0827 -.0798
 185.000 .0278
 219.000 .0406
 225.000 -.0772
 270.000 -.0731 -.0789 .1462 -.0086
 315.000 -.0376 -.0786 -.0827 -.0295

ALPHA (2) = -.800 BETA (1) = -4.086 RN/L = 1.6759 MACH = 3.4978 Q(PSF) = 244.73 PS = 2173.4

SECTION (1) ET BASE DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI
 .000 -0.0465 -.0748 -.0772 -.0659 -.0757 -.0526
 45.000 -.0772
 90.000 -.0760 -.0772 -.0780 -.0682 .0381
 135.000 -.0760 -.0769 -.0411 .3012
 141.000
 180.000 -.0766 -.0748 -.0752 -.0659
 185.000 .0270
 219.000 .0009
 225.000 -.0754
 270.000 -.0696 -.0772 .1484 -.0297
 315.000 -.0359 -.0746 -.0740 -.0471

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OT (MPS=NOM)

(RESH75)

ET BASE

ALPHA (2) = -.106 BETA (2) = -.086 RN/L = 1.6759 MACH = 3.4978 Q(PSF) = 244.73 PS = 2173.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 -.0502 -.0711 -.0734 -.0622 -.0772 -.0373
 45.000 -.0722 -.0780 -.0711 -.0737 -.0778 .0031
 90.000 -.0711 -.0674 -.0639 .2104
 135.000 -.0699 -.0705 -.0691 -.0668
 141.000 -.0688 -.0728 -.0321 -.0703 -.0720 -.0245
 180.000 -.0699
 186.000
 219.000
 225.000
 270.000
 315.000

ALPHA (2) = .509 BETA (3) = 3.914 RN/L = 1.6759 MACH = 3.4978 Q(PSF) = 244.73 PS = 2173.4

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 -.0600 -.0786 -.0792 -.0670 -.0774 -.0578
 45.000 -.0774 -.0780 -.0769 -.0728 -.0786 -.0312
 90.000 -.0769 -.0763 -.0815 .1258
 141.000 -.0803 -.0763 -.0792 -.0821
 180.000
 186.000
 219.000
 225.000
 270.000
 315.000

ALPHA (3) = 3.825 BETA (1) = -.083 RN/L = 1.6713 MACH = 3.4978 Q(PSF) = 244.73 PS = 2172.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.0000 -.0485 -.0682 -.0699 -.0598 -.0714 -.0442
 45.000 -.0699
 90.000 -.0699
 135.000 -.0693 -.0702 -.0714 .0257
 141.000 -.0693 -.0656 -.0535 .2699
 180.000 -.0630 -.0682 -.0592 -.0575
 186.000 .0893

(RE5H75)

ET BASE

ARC87044 1482 01 (MPS=NOM

$$\text{ALPHA}(3) = 3.825 \quad \text{BETA}(1) = -.083$$

SECTION 11 ET BASE

DEPENDENT VARIABLE CP

R/RDD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

iii

219.000

225.00

270.000

315.000

.1229

•

.0279

.0259

•

-.0675

1523

-.0315

1

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OT (MPS=NOM-)

ET BASE

(RESH76) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -.4.259 BETA (1) = -.083 RN/L = 1.6661 MACH = 3.4978 Q(PSF) = 244.65 PS = 2172.7

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	-.0534	-.0800	-.0812	-.0731	-.0881	-.0298
45.000				-.0818			
90.000			-.0835	-.0812	-.0824	-.0870	-.0228
135.000				-.0812	-.0818	-.0806	.1518
141.000							
180.000			-.0829	-.0806	-.0870	-.0800	
186.000							.0285
219.000							.0418
225.000				-.0806			
270.000		-.0760	-.0812	.1460			-.0074
315.000				-.0396	-.0829	-.0847	-.0277

ALPHA (2) = -.860 BETA (1) = -.4.089 RN/L = 1.6651 MACH = 3.4978 Q(PSF) = 244.60 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	-.0519	-.0803	-.0815	-.0737	-.0847	-.0563
45.000				-.0826			
90.000			-.0815	-.0826	-.0829	-.0719	.0351
135.000				-.0815	-.0818	-.0442	.2939
141.000							
180.000			-.0821	-.0809	-.0835	-.0690	.0237
186.000							-.0012
219.000							
225.000				-.0803			-.0319
270.000		-.0751	-.0821	.1434			-.0505
315.000				-.0418	-.0823	-.0806	

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(RESH76)

ET BASE

ALPHA (2) = -.194 BETA (2) = -.086 RN/L = 1.6651 MACH = 3.4978 Q(PSF) = 244.60 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0563	-.0771	-.0783	-.0705	-.0855	-.0410	
45.000		-.0789	-.0789	-.0809	-.0821	.0001	
90.000		-.0818	-.0789	-.0780	-.0693	.2069	
135.000			-.0777	-.0771	-.0798	-.0711	
141.000							
180.000							
185.000							
219.000							
225.000							
270.000		-.0742	-.0789	.1453		.0121	
315.000			-.0398	-.0780	-.0798	-.0261	

ALPHA (2) = .459 BETA (3) = 3.911 RN/L = 1.6651 MACH = 3.4978 Q(PSF) = 244.60 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0638	-.0818	-.0835	-.0719	-.0847	-.0575	
45.000		-.0835	-.0835	-.0771	-.0847	-.0286	
90.000		-.0823	-.0829	-.0771	-.0847	-.0286	
135.000			-.0812	-.0795	-.0852	.1273	
141.000							
180.000		-.0858	-.0812	-.0835	-.0876	.0978	
185.000						.2096	
219.000							
225.000			-.0812			.0711	
270.000		-.0795	-.0852	.1413		.0074	
315.000			-.0419	-.0847	-.0847		

ALPHA (3) = 3.897 BETA (1) = -.083 RN/L = 1.6594 MACH = 3.4978 Q(PSF) = 244.49 PS = 2171.3

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0545	-.0736	-.0742	-.0650	-.0771	-.0464	
45.000		-.0748	-.0748	-.0760	-.0748	.0242	
90.000		-.0748	-.0742	-.0760	-.0748	.0242	
135.000			-.0730	-.0760	-.0557	.2764	
141.000							
180.000		-.0713	-.0730	-.0702	-.0603	.0902	
185.000							

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OT (MPS=NOM-)

(RESH76)

ET BASE

ALPHA (3) = 3.897 BETA (1) = -.083

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000
225.000
270.000
315.000

-.0719 -.0754 -.0725 -.0742
-.0725 .1487
.1221 .0270 -.0269

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OT (MPS=NOM+)

ET BASE

(RESH77) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

ALPHA (1) = -.4175 BETA (1) = -.083 RN/L = 1.6628 MACH = 3.4978 Q(PSF) = 244.89 PS = 2174.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	-.0450	-.0699	-.0717	-.0601	-.0746	-.0266
45.000				-.0717			
90.000			-.0734	-.0705	-.0682	-.0763	-.0237
135.000				-.0699	-.0700	-.0717	
141.000							.1503
180.000			-.0734	-.0699	-.0746	-.0757	
186.000							.0270
219.000				-.0594			.0409
225.000							-.0066
270.000		-.0665	-.0722	.1532	-.0682	-.0723	-.0285
315.000				-.0295			

ALPHA (2) = -.810 BETA (1) = -.4089 RN/L = 1.6571 MACH = 3.4978 Q(PSF) = 245.02 PS = 2173.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	-.0442	-.0708	-.0720	-.0645	-.0743	-.0570
45.000				-.0720			
90.000			-.0726	-.0720	-.0772	-.0714	.0327
135.000				-.0720	-.0784	-.0454	
141.000							.2938
180.000			-.0731	-.0714	-.0755	-.0703	
186.000							.0247
219.000							-.0008
225.000				-.0708			-.0309
270.000		-.0656	-.0720	.1501	-.0737	-.0731	-.0494
315.000				-.0344			

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TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OT (MPS=NOM+)

(RESHT7)

ET BASE

ALPHA (2) = -.194 BETA (2) = -.085 RN/L = 1.6571 MACH = 3.4978 Q(PSF) = 245.02 PS = 2173.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0407
 45.000 -.0622 -.0633 -.0544 -.0554 -.0376
 90.000 -.0622
 135.000 -.0650 -.0622 -.0613 -.0677 .0011
 141.000 -.0616 -.0602 -.0590 .2088
 180.000 -.0616 -.0604 -.0619 -.0642 .0515
 186.000 .0879
 219.000
 225.000 -.0604
 270.000 -.0639 .1547 .0151
 315.000 -.0255 -.0619 -.0636 -.0231

ALPHA (2) = .581 BETA (3) = 3.914 RN/L = 1.6571 MACH = 3.4978 Q(PSF) = 245.02 PS = 2173.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0526
 45.000 -.0665 -.0671 -.0553 -.0640 -.0536
 90.000 -.0655
 135.000 -.0677 -.0665 -.0611 -.0651 -.0276
 141.000 -.0659 -.0651 -.0720 .1424
 180.000 -.0706 -.0654 -.0680 -.0715 .1008
 186.000 .2111
 219.000
 225.000 -.0648
 270.000 -.0677 -.0723 .1518 .0742
 315.000 -.0282 -.0553 -.0726 .0106

ALPHA (3) = 3.791 BETA (1) = -.089 RN/L = 1.6562 MACH = 3.4978 Q(PSF) = 244.81 PS = 2174.9

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

.000 -.0416
 45.000 -.0601 -.0601 -.0535 -.0622 -.0431
 90.000 -.0607
 135.000 -.0653 -.0618 -.0656 -.0691 .0251
 141.000 -.0613 -.0575 -.0512 .2723
 180.000 -.0560 -.0607 -.0546 -.0564 .0912
 186.000

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TABULATED SOURCE DATA - 1A82C

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ET BASE

(RESH77)

ARC87044 1A82 OT (MPS=NOM+)

ALPHA (3) = 3.791 BETA (1) = -.089

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00 .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI

219.000

225.000

270.000

315.000

.1236

-.0601

.1569

-.0252

.1236

.0287

-.0598

-.0622

.1236

.0287

-.0598

-.0622

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87044 1A82 OT (MPS=NOM++) (RESH78) (13 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

ALPHA (1) = -.4237 BETA (1) = -.089 RN/L = .77770 MACH = 3.4978 Q(PSF) = 108.26 PS = 961.89

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0704	-.0966	-.0980	-.0804	-.1027	-.0752	
45.000		-.0993	-.0980	-.0909	-.1014	-.0647	
90.000		-.0993	-.0980	-.0909	-.1014	-.0647	
135.000			-.0966	-.1014	-.1027	.1879	
141.000							
180.000		-.1045	-.0966	-.1053	-.1080		
186.000						.0000	
219.000						-.0092	
225.000							
270.000	-.0940	-.1019	-.0940	-.1019	-.1040	-.0459	
315.000		-.0292	-.0975	-.1040	-.0604		

ALPHA (2) = -.678 BETA (1) = -.4083 RN/L = .77923 MACH = 3.4978 Q(PSF) = 108.23 PS = 960.94

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/R00	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0698	-.1014	-.1040	-.0860	-.1018	-.0900	
45.000		-.1053	-.1053	-.1031	-.1018	-.0099	
90.000		-.1040	-.1079	-.1031	-.1018	-.0099	
135.000			-.1079	-.1044	-.0834	.3941	
141.000							
180.000		-.1040	-.1066	-.1031	-.1044		
186.000						.0158	
219.000						-.0394	
225.000							
270.000	-.0948	-.1027	-.1053	-.2460	-.0617		
315.000		-.0309	-.0992	-.1031	-.0788		

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TABULATED SOURCE DATA - 1A82C

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(RE5H78)

ET BASE

ARC87044 1A82 OT (MPS=NOM++)

ALPHA (2) = -.159 BETA (2) = -.083 RN/L = .77923 MACH = 3.4978 Q(PSF) = 108.23 PS = 960.94

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0591	-.0927	-.0967	-.0748	-.0945	-.0800	
45.000			-.0967				
90.000		-.0967	-.0967	-.0892	-.0997	-.0368	
135.000			-.0953	-.0932	-.0958		
141.000						.2336	
180.000		-.1006	-.0940	-.0971	-.1010		
186.000						.0288	
219.000						.0459	
225.000							
270.000	-.0901	-.0980		-.0927		-.0184	
315.000				-.0250	-.0905	-.0932	-.0578

ALPHA (2) = .462 BETA (3) = 3.911 RN/L = .77923 MACH = 3.4978 Q(PSF) = 108.23 PS = 960.94

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0799	-.1010	-.1049	-.0795	-.0980	-.0901	
45.000			-.1010				
90.000		-.1010	-.1010	-.0889	-.0967	-.0638	
135.000			-.0996	-.0940	-.1006		
141.000						.1703	
180.000		-.1036	-.0983	-.0953	-.1006		
186.000						.0742	
219.000						.1900	
225.000			-.0970				
270.000		-.1062		-.0970	-.1059	-.0218	
315.000			-.0284	-.0980			

ALPHA (3) = 3.878 BETA (1) = -.089 RN/L = .78010 MACH = 3.4978 Q(PSF) = 108.26 PS = 961.18

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/RD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI							
.000	-.0662	-.0886	-.0925	-.0703	-.0886	-.0716	
45.000			-.0925				
90.000		-.0951	-.0951	-.0873	-.0938	-.0008	
135.000			-.0951	-.0807	-.0755		
141.000						.3109	
180.000		-.0872	-.0951	-.0768	-.0820		
186.000						.0654	

DATE 06 FEB 76 TABULATED SOURCE DATA - 1A82C

(RESH78)

ET BASE

ARC87044 1A82 OT (MPS=NOM++)

ALPHA (3) = 3.878 BETA (1) = -.089

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
-------	-------	-------	-------	-------	-------	-------	--------

PHI

219.000							.0576
225.000				-.0939			
270.000				.2547			-.0015
315.000				-.0205	-.0847	-.0873	-.0540

ORIGINAL PAGE IS
OF POOR QUALITY

(RESHT9) (13 JAN 75)

ET BASE

ARC87044 1A82 OT (MPS=NOM+++)

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
ELV-1B = .000 ELV-OB = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
LREF = 1290.3000 FT. YMRP = .0000 IN.YT
BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
SCALE = .0100

ALPHA (1) = -4.212 BETA (1) = -.089 RN/L = .78530 MACH = 3.4978 Q(PSF) = 108.34 PS = 963.30

SECTION (-)11ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI .000
45.000
90.000
135.000
141.000
180.000
186.000
219.000
225.000
270.000
315.000

-.0592
-.0954
-.0867
-.0867
-.0867
-.0920
-.0867
-.0841
-.0828
-.0920
-.0172

-.0867
-.0867
-.0867
-.0938
-.0971
-.0853
-.0919
-.0562

-.0673
-.0591
.1919
.0055
-.0050
-.0417
-.0562

ALPHA (2) = -.741 BETA (1) = -4.080 RN/L = .78537 MACH = 3.4978 Q(PSF) = 108.42 PS = 961.89

SECTION (-)11ET BASE

DEPENDENT VARIABLE CP

R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000

PHI .000
45.000
90.000
135.000
141.000
180.000
186.000
219.000
225.000
270.000
315.000

-.0554
-.0852
-.0878
-.0918
-.0931
-.0918
-.0931
-.0918
-.0787
-.0855
-.0176

-.0905
-.0918
-.0931
-.0931
-.0896
-.0883
-.0896
-.0918
-.0843
-.0856
-.0709

-.0791
.0007
.3836
.0234
-.0330
-.0525
-.0709

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

PAGE 629

ALPHA (2) = -.197 BETA (2) = -.086 RN/L = .78637 MACH = 3.4978 Q(PSF) = 108.42 PS = 961.89
 (RE5H79)

SECTION (1) ET BASE

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000
 DEPENDENT VARIABLE CP

PHI .000
 .0607
 .0857 -.0844 -.0655 -.0813 -.0721
 45.000
 -.0870
 90.000
 -.0870
 -.0909 -.0826 -.0891 -.0328
 135.000
 -.0909 -.0865 -.0878
 141.000
 -.0923 -.0909 -.0904 -.0918
 180.000
 .0336
 186.000
 .0519
 219.000
 -.0896
 225.000
 -.0804 -.0883 -.0896
 270.000
 .2543
 315.000
 -.0144 -.0800 -.0852 -.0530

ALPHA (2) = .369 BETA (3) = 3.920 RN/L = .78637 MACH = 3.4978 Q(PSF) = 108.42 PS = 961.89

SECTION (1) ET BASE

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000
 DEPENDENT VARIABLE CP

PHI .000
 .0718
 .0915 -.0954 -.0756 -.0901 -.0874
 45.000
 -.0915
 90.000
 -.0888 -.0902 -.0835 -.0861 -.0612
 135.000
 -.0888 -.0661 -.0901
 141.000
 .1730
 180.000
 -.0915 -.0875 -.0874 -.0914
 186.000
 .0772
 219.000
 .1926
 225.000
 -.0862
 270.000
 -.0902 -.0954 -.0467
 315.000
 -.0232 -.0901 -.0979 -.0199

ALPHA (3) = 4.069 BETA (1) = -.085 RN/L = .78660 MACH = 3.4978 Q(PSF) = 108.42 PS = 962.59

SECTION (1) ET BASE

R/R0D .0000 .4500 .6350 .8400 .8950 .9460 1.0000
 DEPENDENT VARIABLE CP

PHI .000
 .0626
 .0823 -.0836 -.0623 -.0780 -.0675
 45.000
 -.0836
 90.000
 -.0875 -.0932 -.0780 -.0924 -.0008
 135.000
 -.0888 -.0859 -.0793
 141.000
 .3097
 180.000
 -.0915 -.0888 -.0859 -.0872
 186.000
 .0631

DATE 06 FEB 76 TABULATED SOURCE DATA - 1A82C

(RE5H79)

ET BASE

ARC87044 1A82 OT (MPS=NON+++)

ALPHA (3) = 4.069 BETA (1) = -.086
 SECTION (DIET BASE)
 R/ROD .0000 .4500 .6350 .8400 .8950 .9460 1.0000
 PH1
 219.000 .0566
 225.000 -.0875
 270.000 .2611
 315.000 -.0073 -.0754 -.0741 -.0549

DEPENDENT VARIABLE CP

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

PAGE 631

(RES480) - (13 JAN 75)

ET BASE

ARC87044 1A82 OT (MPS=NONH++++)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN.XT
 LREF = 1290.3000 FT. YMRP = .0000 IN.YT
 BREF = 1290.3000 FT. ZMRP = 400.0000 IN.ZT
 SCALE = .0100

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

ALPHA (1) = -.4.016 BETA (1) = -.083 RN/L = .78810 MACH = 3.4978 Q(PSF) = 108.34 PS = 961.89

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	-.0596	-.0832	-.0871	-.0632	-.0802	-.0632
45.000				-.0845			
90.000			-.0858	-.0858	-.0737	-.0789	-.0566
135.000				-.0858	-.0828	-.0855	.1893
141.000							
180.000			-.0911	-.0832	-.0894	-.0907	.0029
186.000							-.0050
219.000				-.0832			
225.000				.2578			-.0430
270.000		-.0792	-.0898	-.0134	-.0802	-.0815	-.0575
315.000							

ALPHA (2) = -.963 BETA (1) = -.4.096 RN/L = .78973 MACH = 3.4978 Q(PSF) = 108.50 PS = 962.83

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
PHI	.000	-.0552	-.0827	-.0853	-.0652	-.0783	-.0809
45.000				-.0866			
90.000			-.0879	-.0892	-.0822	-.0900	.0000
135.000				-.0905	-.0848	-.0757	.3773
141.000							
180.000			-.0879	-.0879	-.0848	-.0874	.0179
186.000							-.0369
219.000							
225.000				-.0879			-.0592
270.000		-.0761	-.0840	.2570			-.0775
315.000				-.0144	-.0783	-.0809	

ARC87644 1A82 0T (NPS=NOM+♦♦♦♦) ET BASE (RESH80)

ALPHA (..2)	BETA (2)	RN/L	MACH	Q(PSF)	PS
- .197		- .089			
			.78973		
				3.4978	
					108.50
					962.83

SECTION () NET BASE

DEPENDENT VARIABLE CP

R/R ₀ D	.0000	.4500	.6350	.8400	.8950	.9450	1.0000
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[illegible]

ALPHA (2) =	.387	BETA (3) =	3.914	RN/L	=	.78973	MACH	=	3.4978	Q(PSF)	=	108.50	PS	=	962.83
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SECTION () NET BASE

DEPENDENT VARIABLE CP

R/R00	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
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三六

000	-0931	-0331	-0772	-0917	-0904
45.000		-0355			
90.000	-0352	-0339	-0739	-0338	-0705
135.000		-0339	-0351	-0304	
180.000	-0931	-0313	-0377	-0917	1725
225.000					0738
270.000		-0313			1893
315.000	-0302	-0344	-0304	-0356	0396
					-0222

ALPHA (3) =	3.769	BETA (1) =	-.056	RN/L	=	.79150	MACH	=	3.4978	Q(PSF)	=	108.74	PS	=	965.42
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SECTION 101 BASE

DEPENDENT VARIABLE CP

[illegible]

三

000	-.0586	-.0769	-.0795	-.0565	-.0742	-.0577
45.000			-.0335			
90.000		-.0821	-.0348	-.0742	-.0899	-.0037
35.000			-.0848	-.0921	-.0781	
41.000						.3089
90.000		-.0251	-.0835	-.0821	-.0873	
98.000						.0604

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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(RESH80)

ARC87044 1A82 OT (MPS=NOM+***)

ET BASE

ALPHA (3) = 3.769 BETA (1) = -.086

SECTION (1) ET BASE

DEPENDENT VARIABLE CP

R/ROD	.0000	.4500	.6350	.8400	.8950	.9460	1.0000
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PHI

219.000							.0564
225.000				-.0835			
270.000			-.0717	-.0782			-.0037
315.000				-.0050	-.0703	-.0703	-.0560

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5002) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 50.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 4/ 0		RN/L = 2.61		GRADIENT INTERVAL = -5.00/ 5.00		MACH = 2.600 PT = 14.700 ELV-1B = .000 ELV-08 = .000	
ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301
-3.671	-4.039	-05120	-18140	-12950	-17530	-18230	-15360
-3.781	-2.039	-02250	-18280	-13000	-17640	-18230	-15620
-3.784	-0.042	-00780	-17810	-12960	-17130	-17700	-15310
-3.697	1.945	-03400	-18060	-12720	-17270	-17860	-15610
-3.587	3.958	-05630	-17080	-11900	-16300	-16800	-15010
GRADIENT	GRADIENT	.01359	.00117	.00119	.00142	.00162	.00036
		RUN NO. 5/ 0		RN/L = 2.59		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301
.144	-4.045	-04160	-17780	-12520	-16990	-17660	-15360
.209	-2.046	-01520	-17970	-12500	-17190	-17800	-15420
.155	-0.046	-00410	-17930	-12320	-17090	-17740	-15520
.150	1.961	-02240	-17690	-12500	-17100	-17780	-15500
.044	3.954	-03810	-17570	-12200	-16700	-17370	-15350
GRADIENT	GRADIENT	.00997	.00025	.00032	.00033	.00030	.00003
		RUN NO. 6/ 0		RN/L = 2.57		GRADIENT INTERVAL = -5.00/ 5.00	
ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301
4.279	-4.042	-03330	-17260	-11980	-16640	-17170	-15010
4.231	-2.046	-01500	-17440	-12140	-16920	-17330	-15280
4.231	-0.042	-00500	-17450	-11900	-16700	-17230	-15180
4.231	1.958	-02270	-17450	-11950	-16670	-17290	-15100
4.219	3.964	-04010	-17170	-11730	-16440	-16980	-14790
GRADIENT	GRADIENT	.00922	.00009	.00034	.00028	.00021	.00031

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5003) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0030 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 7/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.684	-4.042	-0.4680	.02200	.02340	.00480	-.00160	.04480	.05310	.04750	.05110	510.70000
-3.850	-2.046	-0.1840	.04030	.03590	.01590	.01730	.05200	.05390	.05090	.06060	510.87000
-3.931	-.042	.00750	.04190	.04800	.03500	.03470	.05490	.04910	.04740	.06240	510.70000
-3.853	1.951	.03530	.04780	.05450	.03730	.03730	.03840	.02730	.02590	.03670	510.87000
-3.843	3.958	.05090	.05040	.05790	.05590	.06090	.03990	.03760	.03320	.03490	510.87000
	GRADIENT	.01246	.00321	.00438	.00618	.00725	-.00117	-.00288	-.00268	-.00281	.01699

RUN NO. 8/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
.100	-4.052	-.03870	.02510	.02290	.01370	.00870	.04920	.05830	.05310	.05610	510.87000
-.025	-2.049	-.01500	.03500	.02940	.01890	.01110	.05410	.05800	.05350	.05880	510.70000
.050	-.042	.00420	.04190	.04130	.03080	.02970	.05490	.05160	.05270	.05100	510.87000
-.031	1.961	.02040	.05430	.05590	.05510	.05370	.04150	.04540	.03820	.03350	510.70000
.075	3.961	.03690	.05130	.05940	.05190	.07240	.04130	.04110	.03410	.02690	510.70000
	GRADIENT	.00931	.00358	.00497	.00562	.00849	-.00142	-.00235	-.00266	-.00418	-.01697

RUN NO. 9/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.147	-4.039	-.03130	.03750	.02940	.02770	.02550	.06660	.06100	.06160	.06070	510.70000
4.231	-2.049	-.01450	.06400	.03880	.04040	.03490	.07590	.06980	.07040	.07230	510.87000
4.284	-.046	.00680	.07280	.05700	.05640	.05780	.07190	.05700	.05830	.06670	510.70000
4.228	1.958	.02030	.07100	.06770	.06520	.06520	.06410	.05550	.05490	.04470	510.87000
4.069	3.954	.03770	.05990	.06300	.05980	.06410	.03940	.03580	.03380	.02410	510.70000
	GRADIENT	.00864	.00259	.00481	.00435	.00538	-.00331	-.00324	-.00356	-.00504	-.00001

DATE 06 FEB 75

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(1E5004) (22 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.800 PT = 14.700
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 10/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.781	-0.039	.00520	-.01790	-.01170	-.03700	-.03480	.0130	.00940	.00800	.01130	509.36000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 11/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
.150	-4.042	-.04500	-.03140	-.02410	-.03640	-.03410	.00650	.01760	.01200	.01260	509.36000
.094	-.039	-.00030	-.00500	-.00470	-.00970	-.01060	.00610	.01950	.00950	.00640	509.36000
-.012	3.961	.03510	-.00140	.01310	.00700	.01810	-.01970	-.02250	-.02860	-.02750	509.53000
	GRADIENT	.01001	.00375	.00465	.00542	.00652	-.00327	-.00501	-.00507	-.00501	.02124

RUN NO. 12/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.178	-.033	.00400	.01320	.00740	.00620	.00760	.02130	.02360	.01710	.01150	509.36000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(1E5005) (22 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 13/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.853	-.039	.02500	.10530	.10930	.08300	.06880	.09230	.08850	.09230	.11420	517.43000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 14/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
.029	-4.049	-.00720	.10960	.09590	.08530	.07000	.09350	.10660	.09510	.10280	517.43000
.091	-.046	.03260	.10070	.10970	.08700	.08620	.09030	.09300	.10070	.10070	517.59000
.069	3.958	.03940	.10750	.11000	.10590	.12640	.10370	.10700	.10860	.10370	517.59000
	GRADIENT	.00582	-.00026	.00176	.00257	.00704	.00127	.00005	.00169	.00011	.01998

ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(1E5005) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.:	15/ 0	RN/L =	2.58	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	16/ 0	RN/L =	2.54	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

ETA . CF231

ALPHA	BETA	CF231	CP311	CP312
.029	-4.045	-.04220	.01750	.01530
.100	-.042	.00070	.03430	.03580
.122	3.954	.03720	.03970	.04530
	GRADIENT	.00991	.00277	.00375

RUN NO.	!8/ 0	RN/L =	2.54	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

PARAMETRIC DATA

MACH	=	2.600	PT	=	14.700
ELV-IB	=	.000	ELV-OB	=	.000

PARAMETRIC DATA

MACH	=	2.600	PT	=	14.700
ELV-IB	=	.000	ELV-OB	=	.000

RUN NO.	!8/ 0	RN/L =	2.54	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

DATE 05 FEB 75

TABULATED SOURCE DATA - 1A82C

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(1E5007) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 14.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 19/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.866	-0.039	.00610	.04960	.05320	.03980	.04180	.06480	.05820	.05820	.07060	511.38000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 20/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
.016	-4.052	-.04030	.03940	.03170	.02530	.02060	.06050	.07040	.05940	.06710	511.38000
.125	-.042	.00250	.05130	.04930	.04290	.04240	.06920	.05930	.06200	.06370	511.54000
-.034	3.958	.03760	.05700	.05890	.06200	.06330	.04890	.04980	.04090	.03510	511.38000
	GRADIENT	.00973	.00220	.00340	.00458	.00533	-.00145	-.00257	-.00231	-.00399	.00001

RUN NO. 21/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.087	-.042	.00450	.07760	.06240	.06130	.06380	.07540	.06520	.06100	.07270	511.38000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 22/ 0 RN/L = 1.22 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.869	-.042	.08240	.16390	.16940	.15210	.15520	.15400	.14970	.14470	.17250	230.40000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 23/ 0 RN/L = 1.23 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
.138	-4.039	.06270	.17490	.22680	.18110	.16560	.16430	.17860	.17430	.17360	229.39000
.169	-.039	.07380	.16140	.16080	.13780	.12910	.15650	.13410	.13160	.17390	228.88000
.072	3.958	.03540	.16830	.16030	.15340	.15030	.16520	.15530	.18570	.23360	228.88000
	GRADIENT	-.00341	-.00083	-.00857	-.00346	-.00191	.00011	-.00291	.00142	.00750	-.06378

ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(1E5008) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

(1E5008) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 24/ 0 RN/L = 1.23 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
4.159BETA
-0.046
GRADIENTCP231
.11210
.00000CP311
.16570
.00000CP312
.17040
.00000CP313
.15430
.00000CP314
.14190
.00000CP301
.16920
.00000CP302
.15310
.00000CP303
.17100
.00000CP304
.18900
.00000Q(PSF)
229.39000
.00000MACH =
ELV-IB =2.600 PT =
.000 ELV-08 = 6.700

ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

(1E5009) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 25/ 0 RN/L = .99 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-3.935BETA
.008
GRADIENTCP231
.06310
.00000CP311
.18440
.00000CP312
.19400
.00000CP313
.14980
.00000CP314
.13850
.00000CP301
.14980
.00000CP302
.12900
.00000CP303
.13070
.00000CP304
.18700
.00000Q(PSF)
164.36000
.00000MACH =
ELV-IB =3.000 PT =
.000 ELV-08 = 6.700

RUN NO. 26/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
.055BETA
-3.995
.011
GRADIENTCP231
.08500
.05930CP311
.20390
.18330CP312
.21520
.19450CP313
.18840
.15490CP314
.18840
.14970CP301
.13670
.16520CP302
.13150
.14190CP303
.12810
.13760CP304
.15480
.19700Q(PSF)
165.22000
165.34000166.07000
.23150
.00958

.10618

RUN NO. 27/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
4.134BETA
.014
GRADIENTCP231
.10660
.00000CP311
.15300
.00000CP312
.18400
.00000CP313
.14100
.00000CP314
.13930
.00000CP301
.15220
.00000CP302
.13670
.00000CP303
.13320
.00000CP304
.18920
.00000Q(PSF)
165.22000
.00000

PARAMETRIC DATA

PARAMETRIC DATA

PARAMETRIC DATA

DATE 05 FEB 76

TABULATED SOURCE DATA - 1A82C

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(1E5010) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

ALPHA	BETA	GRADIENT	RUN NO.	28/ 0	RN/L = 1.01	GRADIENT INTERVAL = -5.00/ 5.00	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.978	.014	.010	CP231	-0.1190	.00000	-0.09430	.00000	-0.10460	.00000	-0.12000	.00000	-0.12090	.00000	165.94000	

ALPHA	BETA	GRADIENT	RUN NO.	29/ 0	RN/L = 1.01	GRADIENT INTERVAL = -5.00/ 5.00	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
.006	-3.992	.014	CP231	-0.07450	.00000	-0.08900	.00000	-0.10620	.00000	-0.11220	.00000	-0.11130	.00000	166.19000	

ALPHA	BETA	GRADIENT	RUN NO.	30/ 0	RN/L = 1.01	GRADIENT INTERVAL = -5.00/ 5.00	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.053	.008	.010	CP231	-0.02730	.00000	-0.07960	.00000	-0.11910	.00000	-0.11050	.00000	-0.11310	.00000	165.82000	

(1E5011) (22 JAN 76)

ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 6.700
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

ALPHA	BETA	GRADIENT	RUN NO.	31/ 0	RN/L = 1.01	GRADIENT INTERVAL = -5.00/ 5.00	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.978	.009	.010	CP231	-0.01470	.00000	-0.10050	.00000	-0.14680	.00000	-0.11950	.00000	-0.13400	.00000	165.94000	

ALPHA	BETA	GRADIENT	RUN NO.	32/ 0	RN/L = 1.01	GRADIENT INTERVAL = -5.00/ 5.00	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-0.050	-3.995	.008	CP231	-0.07600	.00000	-0.09490	.00000	-0.13610	.00000	-0.11720	.00000	-0.11890	.00000	165.82000	

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ARC87-044 1A82 OTS SR8-OFF MPS-NOM++

(1E5011) (22 JAN 76)

REFERENCE DATA.

SREF	=	2690.0000	SO.FT.			
LREF <td>= <td>1290.3000 <td>IN. <td>YMRP <td></td> <td>976.0000</td> </td></td></td></td>	= <td>1290.3000 <td>IN. <td>YMRP <td></td> <td>976.0000</td> </td></td></td>	1290.3000 <td>IN. <td>YMRP <td></td> <td>976.0000</td> </td></td>	IN. <td>YMRP <td></td> <td>976.0000</td> </td>	YMRP <td></td> <td>976.0000</td>		976.0000
BREF <td>= <td>1290.3000 <td>IN. <td>YMRP <td></td> <td>.0000</td> </td></td></td></td>	= <td>1290.3000 <td>IN. <td>YMRP <td></td> <td>.0000</td> </td></td></td>	1290.3000 <td>IN. <td>YMRP <td></td> <td>.0000</td> </td></td>	IN. <td>YMRP <td></td> <td>.0000</td> </td>	YMRP <td></td> <td>.0000</td>		.0000
SCALE <td>= <td>.0100 <td></td> <td>ZMRP <td></td> <td>400.0000</td> </td></td></td>	= <td>.0100 <td></td> <td>ZMRP <td></td> <td>400.0000</td> </td></td>	.0100 <td></td> <td>ZMRP <td></td> <td>400.0000</td> </td>		ZMRP <td></td> <td>400.0000</td>		400.0000
						IN. ZT

RUN NO. 33/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

REFERENCE DATA

	SREF	=	2690.0000	SQ.FT.	XMRP	#	976.0000	IN.	XT
	LREF	=	1290.3000 <th>IN.</th> <th>YMRP</th> <td>=</td> <td>.0000 <th>IN.</th> <th>YT</th> </td>	IN.	YMRP	=	.0000 <th>IN.</th> <th>YT</th>	IN.	YT
	BRREF	=	1290.3000 <th>IN.</th> <th>ZMRP</th> <td>=</td> <td>400.0000 <th>IN.</th> <th>ZT</th> </td>	IN.	ZMRP	=	400.0000 <th>IN.</th> <th>ZT</th>	IN.	ZT
	SCALE	=	.0100						

RUN NO.	34/ 0	RN/L =	1.57	GRADIENT - INTERVAL =	-5.00/ 5.00
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[illegible]

RUN

ALPHA	BETA	CP231	CP311	CP312
.075	-3.989	.06380	15080	19600
.075	.014	.04970	13540	13480
.034	4.014	.02620	15440	13610
	GRADIENT	-.00470	.00045	-.00749

RUN NO.	36/ 0	RN/L = 1.56	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

PARAMETRIC DATA

MACH	=	3,000	PT	=	10.700
ELV-18	=	,000	ELV-08	=	,000

CP302	CP303	CP304	Q(PSF)
.14120	.12830	.13630	264.66000
.10740	.13270	.16290	264.05000
.13720	.15220	.20850	265.27000
-.00050	.00299	.00902	.07619

CP302	CP303	CP304	Q(PSF)
.12280	.13300	.15390	264.78000
.00000	.00000	.00000	.00000

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5013) (22 JAN 78)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

RUN NO. 37/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.972	-3.989	.04290	.08650	.07740	.06790	.06040	.08050	.06450	.06230	.06300	373.10000
-3.931	-1.999	.02480	.08810	.02700	.06230	.05970	.08320	.07260	.07070	.09040	373.10000
-4.153	.008	.01680	.08770	.10020	.07480	.07360	.08050	.07970	.08200	.10510	373.10000
-4.128	2.014	.03060	.09120	.09730	.07830	.07680	.06770	.07040	.07490	.08550	373.10000
-3.981	4.008	.04900	.08460	.08200	.07630	.07400	.07550	.06980	.07210	.07820	373.10000
	GRADIENT	.00090	-.00003	.00098	.00164	.00222	-.00128	.00042	.00119	.00127	.00000

RUN NO. 38/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
.072	-3.992	.04460	.09310	.08360	.08400	.07680	.09200	.08140	.08400	.08020	373.10000
.103	-1.992	.04000	.09270	.09420	.08210	.07040	.08930	.07870	.07450	.08670	373.10000
.125	.011	.03940	.08750	.08640	.07690	.07730	.09090	.08410	.08830	.09660	373.10000
.044	2.008	.02050	.09940	.10130	.08880	.08730	.07170	.07590	.07820	.08690	373.10000
.062	4.008	.03200	.10100	.09080	.08090	.08130	.07900	.07980	.08210	.08060	373.10000
	GRADIENT	-.00223	.00112	.00107	.00002	.00129	-.00218	-.00030	-.00000	.00005	.00000

RUN NO. 39/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.090	-3.992	.05670	.11170	.11210	.10180	.09080	.10830	.10030	.09420	.09080	373.10000
4.044	-1.985	.07450	.11360	.12800	.10560	.09310	.11590	.09310	.10070	.10490	373.10000
4.003	.008	.07290	.12030	.11420	.10690	.09900	.11720	.10550	.10810	.11720	373.10000
3.955	2.017	.02600	.11810	.11060	.09160	.09010	.09840	.09540	.09960	.12150	373.10000
4.122	4.011	.04050	.11330	.10460	.10720	.11480	.09470	.09620	.10650	.03780	373.10000
	GRADIENT	-.00495	.00038	-.00162	-.00016	.00225	-.00223	-.00030	.00117	.00153	-.00000

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 40/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.141	.011	.00630	-.13340	-.08960	-.12690	-.13340	-.11250	-.12960	-.13190	-.13220	372.74000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 41/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
.069	-3.989	-.04310	-.12920	-.08520	-.12350	-.13000	-.10720	-.11370	-.11670	-.11750	372.86000
.022	.011	-.00250	-.13190	-.08560	-.12390	-.13040	-.11290	-.12770	-.12920	-.13110	372.86000
-.063	4.011	.03390	-.12410	-.07930	-.11610	-.12220	-.10810	-.12750	-.12980	-.12980	372.74000
	GRADIENT	.00962	.00064	.00074	.00093	.00098	-.00011	-.00172	-.00164	-.00154	-.01500

RUN NO. 42/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
3.959	.014	.00060	-.12770	-.08140	-.12050	-.12690	-.10870	-.12390	-.12580	-.12620	372.86000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1AB2 OTS SRB-OFF MPS-NOM+

(1E5015) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 43/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.860	.014	.00620	-.13000	-.08710	-.12320	-.12920	-.10800	-.12390	-.12580	-.12650	372.98000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 44/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
.012	-3.992	-.04330	-.12490	-.08280	-.12070	-.12600	-.10130	-.10440	-.10970	-.11040	372.86000
.078	.014	-.00270	-.12830	-.08340	-.12110	-.12710	-.11010	-.12330	-.12520	-.12680	372.98000
.056	4.017	.03490	-.11610	-.07520	-.10970	-.11420	-.10360	-.12300	-.12560	-.12560	372.86000
	GRADIENT	.00976	.00110	.00095	.00137	.00147	-.00029	-.00232	-.00199	-.00190	.00000

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM+

(IE5015) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
SRREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=					.0100		

RUN NO.	45/ 0	RN/L =	2.08	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

MACH	=	3.000	PT	=	15.100
ELV-18	=	.000	ELV-08	=	.000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM-MPS-NOM

(1E5016) (22 JAN 76)

REFERENCE DATA

SSEF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	46	0	RN/L	=	2.09	GRADIENT	INTERVAL	=	-5.00	5.00
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[illegible]

MACH	=	3.000	PT	=	15.100
FLY-1B	=	.000	FLY-08	=	.000

PARAMETRIC DATA

RUN NO.	47/ 0	RN/L = 2.08	GRADIENT INTERVAL = -5.00/ 5.00
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	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
ALPHA	- .125	- .03840	.02910	.02150	.01250	.01320	.04700	.05380	.04810	.05300	373.22000
	- .503	- .00150	.02920	.03150	.02770	.03340	.03340	.03070	.03150	.03150	373.35000
	.097	.03370	.05040	.04730	.05110	.05490	.02990	.02870	.02460	.01810	373.22000
GRADIENT	.0008	.00302	.00367	.00323	.00408	.00522	-.00214	-.00314	-.00294	-.00437	.00000

RUN NO...	48/ 0	RN/L =	2.08	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

5.00 /

ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

(1E5017) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 49/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-3.888BETA
GRADIENT

CP231 .01370
 .00000

RUN NO. 50/ 0

RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
.072BETA
GRADIENT

CP231 .00370
 .03110
 .03320
 .00369

RUN NO. 51/ 0

RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
4.009BETA
GRADIENT

CP231 .03170
 .00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 52/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-3.919BETA
GRADIENT

CP231 .01640
 .00000

RUN NO. 53/ 0

RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
.075BETA
GRADIENT

CP231 .04380
 .03410
 .03570
 .00101

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

CP302 .07080
 .00000

RUN NO. 50/ 0

RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

CP303 .07190
 .00000

RUN NO. 51/ 0

RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

CP304 .09690
 .00000

CP303 .08310
 .07920
 .07740
 -.00071

CP304 .09140
 .08030
 .07670
 -.00184

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

CP303 .08880
 .00000

RUN NO. 53/ 0

RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

CP304 .10770
 .00000

RUN NO. 54/ 0

RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

CP303 .06230
 .09160
 .08830
 .00325

RUN NO. 55/ 0

RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

CP304 .07290
 .09770
 .08490
 .00150

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(1E5018) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 54/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
3.922BETA
.014
GRADIENT

CP231 .07110
 CP311 .12530
 CP312 .11920
 CP313 .11540
 CP314 .10520
 CP301 .12190
 CP302 .11200
 CP303 .11350
 CP304 .12450
 Q(PSF)
 373.83000
 .00000
 .00000

MACH = 3.000 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5019) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 55/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-4.294BETA
-4.085
-2.083
-0.066
1.917
3.917
GRADIENT

CP231 -.03350
 CP311 -.10430
 CP312 -.05250
 CP313 -.09790
 CP314 -.10190
 CP301 -.08740
 CP302 -.09560
 CP303 -.09850
 CP304 -.09850
 Q(PSF)
 244.09000
 243.93000
 243.93000
 244.25000
 243.93000
 244.17000
 .00072
 -.00075
 .00798

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 56/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-4.204BETA
-4.089
-2.083
-0.083
1.917
3.914
GRADIENT

CP231 -.04230
 CP311 -.10140
 CP312 -.05740
 CP313 -.09230
 CP314 -.10020
 CP301 -.08770
 CP302 -.09390
 CP303 -.09500
 CP304 -.09560
 Q(PSF)
 244.41000
 244.25000
 244.25000
 244.41000
 244.25000
 244.41000
 .00076
 -.00046
 -.00799

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5019) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-IB = .000 ELV-OB = .000

RUN NO. 57/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
3.715	-4.083	-.04140	-.09880	-.05300	-.09180	-.09760	-.08490	-.09240	-.09300	-.09300	244.33000
3.662	-2.086	-.02370	-.10310	-.05670	-.09560	-.10200	-.08750	-.09790	-.09960	-.10020	244.25000
3.716	-.086	-.00400	-.10430	-.05730	-.09500	-.10200	-.08750	-.09970	-.10260	-.10260	244.33000
3.681	1.911	.00940	-.10200	-.05560	-.09330	-.10080	-.08570	-.09850	-.10310	-.10200	244.25000
3.765	3.914	.02590	-.09760	-.05120	-.08950	-.10017	-.08080	-.09650	-.10110	-.09820	244.17000
	GRADIENT	.00839	.00018	.00024	.00035	.00017	.00050	-.00044	-.00099	-.00061	-.01601

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5020) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-IB = .000 ELV-OB = .000

RUN NO. 58/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.213	-4.086	.03080	.12930	.13390	.11540	.11720	.09820	.11720	.10910	.10790	245.60000
-4.150	-2.089	.05580	.14920	.13820	.12100	.11750	.10370	.10080	.11120	.12730	245.60000
-4.287	-.086	.00490	.11210	.13670	.11260	.09420	.10340	.08440	.11320	.14200	245.52000
-4.172	1.917	.05930	.10410	.11680	.10700	.08970	.13930	.12370	.12370	.15540	245.60000
-4.272	3.914	.04920	.09930	.09540	.02860	.09530	.12060	.11950	.12060	.14080	245.60000
	GRADIENT	.00165	-.00525	-.00482	-.00196	-.00358	.00402	.00138	.00177	.00469	-.00000

RUN NO. 59/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.147	-4.086	.06330	.13410	.16930	.13410	.12550	.12490	.12550	.10760	.12430	245.60000
-1.188	-2.089	.05260	.13730	.13210	.11540	.11200	.11830	.10270	.09530	.13850	245.52000
-.031	-.089	.06450	.11990	.14580	.13200	.10950	.11240	.09740	.12280	.16250	245.52000
-1.122	1.914	.05930	.12240	.13340	.09710	.09940	.13510	.12130	.12190	.14840	245.60000
-.278	3.911	.05320	.11500	.10740	.09530	.09930	.14190	.12520	.14020	.19090	245.60000
	GRADIENT	-.00622	-.00256	-.00612	-.00480	-.00325	.00254	.00090	.00459	.00715	.00401

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URCE DATA - 1A82C

(1E5020) (22 JAN 76) PAGE 649

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	3.500	PT	=	15.100
ELV-18	=	.000	ELV-08	=	.000

RUN NO.	60/ 0	RN/L =	1.65	GRADIENT INTERVAL =	-5.00/ 5.00
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ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q (PSF)
3.697	-4.089	.07490	.15320	.17050	.15550	.14690	.12210	.14340	.11060	.12210	245.60000
3.681	-2.032	.08860	.13810	.14330	.13870	.12600	.12660	.10100	.11050	.12200	245.60000
3.794	.3794	.07450	.10730	.11590	.10960	.09690	.10670	.10100	.09690	.11820	245.68000
3.966	1.914	.04660	.12440	.11750	.11000	.11980	.12670	.11460	.12560	.14290	245.60000
3.656	3.920	.04160	.13260	.12230	.10570	.11470	.12600	.13490	.14820	.17470	245.68000
GRADIENT		-.00345	-.00274	-.00610	-.00631	-.00174	.00226	-.00113	.00451	.00630	.00800

REFERENCE DATA

SREF	=	2690.0000	SO.FT.	XMRP	=	976.0000	IN.	XT
LRF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BRF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	3.500	PT	=	15.100
ELV-18	=	.000	ELV-08	=	.000

RUN NO.	61/ 0	RN/L =	1.65	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]ETA
CP23

ALPHA	BETA	CP231	CP311	CP312
- .194	-4.080	-.03940	-.03960	-.05330
-.225	-.083	-.00110	-.09050	-.05300
-.937	3.914	.62973	-.67330	-.04410
	GRADIENT	.90864	.90129	.00115

	CP302	CP303	CP304	Q(PSP)
1	-0.07460	-0.07520	-0.07460	245.2100
2	-0.09760	-0.08940	-0.09050	245.3600
3	-0.06690	-0.08310	-0.08850	245.3600
4	-0.06153	-0.0174	-0.0174	0.018

RUN NO. 53/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CP3J2	CP303	CP304	Q(P5F
- .08240	- .08410	- .08530	245.2100
.00000	.00000	.00000	.00000

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-NOM

(1E5022) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 64/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-4.212

BETA
-4.089
GRADIENT

CP231
-0.0350
CP311
-0.10230
CP312
-0.06180
CP313
-0.09540
CP314
-0.10230
CP301
-0.08270
CP302
-0.09710
CP303
-0.09830
CP304
-0.09940
Q(PSF)
244.89000
.00000
.00000

RUN NO. 65/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-1.100
-2.16
-1.294
GRADIENT

BETA
-4.089
-0.0050
-0.02850
3.917
GRADIENT

CP231
-0.04060
CP311
-0.09540
CP312
-0.05440
CP313
-0.08910
CP314
-0.09540
CP301
-0.07690
CP302
-0.08270
CP303
-0.08390
CP304
-0.08440
Q(PSF)
245.21000
245.13000
245.05000
-0.09570
-0.09147
-0.00134
-0.01998

RUN NO. 66/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
3.785

BETA
-0.086
GRADIENT

CP231
-0.00160
CP311
-0.09570
CP312
-0.05240
CP313
-0.08880
CP314
-0.09450
CP301
-0.07900
CP302
-0.09110
CP303
-0.09280
CP304
-0.09400
Q(PSF)
245.28000
.00000
.00000

ARC87-044 1A82 OTS SRB-NOM- MPS-NOM

(1E5023) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 67/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-4.200

BETA
-0.086
GRADIENT

CP231
-0.03300
CP311
-0.05670
CP312
-0.05610
CP313
-0.04110
CP314
-0.04400
CP301
-0.04460
CP302
-0.04340
CP303
-0.04290
CP304
-0.05210
Q(PSF)
245.28000
.00000
.00000

RUN NO. 68/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-2.265
-0.022
-1.247
GRADIENT

BETA
-4.083
-0.0210
-0.02590
0.2720
3.914
GRADIENT

CP231
-0.02010
CP311
-0.06740
CP312
-0.07900
CP313
-0.06390
CP314
-0.05820
CP301
-0.07030
CP302
-0.05070
CP303
-0.04140
CP304
-0.06110
Q(PSF)
245.21000
245.13000
245.36000
0.06820
0.00889
0.01876

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-08 = .000

ARC87-044 I A82 OTS SRB-NOM- MPS-NOM

(1E5023) (22 JAN 76)

REFERENCE DATA

SREF	=	2530.0000	50.F.T.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO. 69/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

PARAMETRIC DATA:

MACH	=	3.500	PT	=	15.100
ELV-1B	=	.000	ELV-0B	=	.000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM-

(1E5024) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO	70/ 0	RN/L =	1.64	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

PARAMETRIC DATA

MACH	=	3.500	PT	=	15.100
ELV-IB	=	.000	ELV-OB	=	.000

RUN NO.	71	0	RN/L =	1.64	GRADIENT INTERVAL =	-5.00	5.00
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	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
ALPHA										
DELTA										
-0.075	0.4830	1.2270	1.5960	1.2270	1.1460	1.1170	1.1460	1.1060	1.1400	245.36000
-0.175	0.089	1.1440	1.2540	1.0630	0.9650	1.0860	0.9880	1.0860	1.1470	245.21000
-0.197	3.911	1.3030	1.1590	1.0840	1.1760	1.2340	1.1990	1.2400	1.8860	245.13000
GRADIENT	-0.0179	0.0095	-0.00547	-0.00179	0.0038	0.0146	0.0066	0.0168	0.00933	-0.02877

CP303 CP

01.302	.11460	.11400	245.36000
	.09880	.14730	245.21000
	.11990	.18860	245.13000
	.00066	.00933	-.02877

RUN NO.	72/ 0	FN/L =	1.64	GRADIENT INTERVAL =	-5.00/	5.00
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[illegible]

2020

0.0000	.00000	.00000	.00000	.00000
0.0910	.10090	.13140	245.52000	
0.0000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM+

(1E5025) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 73/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.134	-0.083	.06860	.11760	.13610	.12110	.09690	.10260	.08760	.12340	.14360	245.36000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 74/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-1.104	-4.086	.05530	.14170	.17170	.14410	.13480	.10770	.09620	.09280	.13080	245.25000
-1.153	-0.086	.06930	.12350	.14940	.13950	.11140	.10910	.08890	.12000	.15860	245.52000
-1.206	3.917	.06860	.11010	.11290	.08820	.08070	.14930	.13720	.14700	.19710	245.44000
	GRADIENT	.00166	-.00395	-.00735	-.00699	-.00676	.00520	.00512	.00677	.00828	.00999

RUN NO. 75/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
3.825	-0.083	.08090	.13110	.13810	.12830	.10920	.11900	.09650	.11210	.13520	245.13000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 10.700
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 76/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.156	-0.083	.06190	.12150	.15020	.12730	.10930	.10680	.08970	.11580	.15510	173.67000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 77/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-1.132	-4.089	.03010	.19700	.20520	.17170	.17660	.11030	.10050	.08660	.11190	173.51000
-1.006	-0.082	.05790	.12180	.14880	.11850	.09310	.11440	.10460	.12010	.17990	173.51000
-1.163	3.911	.06800	.12760	.11540	.08110	.09420	.19700	.18150	.17170	.24440	173.91000
	GRADIENT	.00474	-.00867	-.01122	-.01132	-.01030	.01084	.01013	.01064	.01656	.05001

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM+ MPS-NOM

(1E5026) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 10.700
 ELV-IB = .000 ELV-OB = .000

RUN NO. 78/ 0 RN/L = 1.20 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.806

BETA
 GRADIENT

CP231
 .08590

CP311
 .11370

CP312
 .12840

CP313
 .10800

CP314
 .11120

CP301
 .11370

CP302
 .10800

CP303
 .10300

CP304
 .13250

Q(PSF)
 173.43000

Q(PSF)
 .00000

Q(PSF)
 .00000

ARC87-044 1A82 OTS SRB-OFF MPS-NOM++

(1E5027) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-IB = .000 ELV-OB = .000

RUN NO. 79/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.209

BETA
 GRADIENT

CP231
 -.02230

CP311
 -.12030

CP312
 -.07980

CP313
 -.10850

CP314
 -.11900

CP301
 -.09810

CP302
 -.11240

CP303
 -.11380

CP304
 -.11510

Q(PSF)
 108.66000

Q(PSF)
 .00000

Q(PSF)
 .00000

RUN NO. 80/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -1.154

BETA
 GRADIENT

CP231
 -.07740

CP311
 -.12350

CP312
 -.08140

CP313
 -.11690

CP314
 -.12350

CP301
 -.10510

CP302
 -.10900

CP303
 -.11030

CP304
 -.11030

Q(PSF)
 108.34000

Q(PSF)
 108.18000

Q(PSF)
 108.82000

RUN NO. 81/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.694

BETA
 GRADIENT

CP231
 -.04190

CP311
 -.12090

CP312
 -.07610

CP313
 -.11300

CP314
 -.12090

CP301
 -.10380

CP302
 -.11430

CP303
 -.11430

CP304
 -.11830

Q(PSF)
 108.10000

Q(PSF)
 .00000

Q(PSF)
 .00000

ARC87-044 1A82 OTS SRB-OFF MPS-NOM+++

(1E5028) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

RUN NO. 82/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.159	-0.083	-0.02690	-0.12020	-0.08340	-0.11360	-0.12150	-0.09920	-0.10970	-0.11230	-0.11360	108.34000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 83/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-1.147	-4.083	-0.07200	-0.11270	-0.07330	-0.10610	-0.11400	-0.09430	-0.09820	-0.09960	-0.09960	108.34000
-0.181	-0.089	-0.03520	-0.11140	-0.07460	-0.10350	-0.11270	-0.09820	-0.10740	-0.10880	-0.11140	108.34000
-0.300	3.917	-0.00680	-0.10120	-0.06320	-0.09470	-0.09600	-0.09470	-0.10910	-0.11170	-0.11170	108.50000
	GRADIENT	.00815	.00144	.00126	.00143	.00225	-0.00005	-0.00136	-0.00151	-0.00151	.02001

RUN NO. 84/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
3.731	-0.083	-0.03910	-0.10870	-0.06890	-0.10090	-0.10740	-0.09430	-0.10090	-0.10090	-0.10350	108.26000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

RUN NO. 85/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.184	-0.083	-0.04120	-0.14000	-0.15710	-0.11100	-0.11490	-0.10970	-0.10440	-0.10040	-0.16230	108.18000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 86/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-0.060	-4.089	-0.04930	-0.20140	-0.25390	-0.20010	-0.19620	-0.07160	-0.07950	-0.07550	-0.10960	108.58000
-0.009	-0.083	-0.04170	-0.13610	-0.16890	-0.10200	-0.09410	-0.14130	-0.12560	-0.12170	-0.21080	108.58000
-0.160	3.917	-0.07560	-0.10060	-0.11500	-0.08350	-0.08350	-0.20170	-0.18860	-0.18860	-0.27010	108.26000
	GRADIENT	.00328	-0.01259	-0.01735	-0.01457	-0.01408	-0.01625	-0.01363	-0.01413	-0.02005	-0.03996

ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

(1E5029) (22 JAN 76)

DATE 05 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM++ MPS-NOM

(1E5029) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 87/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
3.850	-.083	.06890	.12120	.13430	.11080	.11340	.11990	.10940	.10420	.14350	108.66000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-0B = .000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5030) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 88/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.963	-.039	.00610	-.18010	-.12880	-.17340	-.17380	-.15630	-.17670	-.17950	-.17950	506.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-0B = .000

RUN NO. 89/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
.057	-4.045	-.04290	-.17890	-.12640	-.17070	-.17740	-.15500	-.16730	-.17040	-.17040	505.93000
.137	-.042	.00030	-.18000	-.12540	-.17240	-.17910	-.15670	-.17720	-.18000	-.18000	506.00000
.244	3.961	.03810	-.17460	-.12150	-.16650	-.17300	-.15250	-.17440	-.17690	-.17660	505.83000
	GRADIENT	.01012	.00052	.00061	.00052	.00055	.00031	-.00089	-.00081	-.00077	.00000

RUN NO. 90/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.103	-.042	-.00020	-.17780	-.12350	-.17030	-.17640	-.15510	-.17340	-.17640	-.17670	506.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5031) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-08 = .000

RUN NO. 91/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-3.850BETA
-.042
GRADIENT

CP231 .00730
 .00000
 CP311 .04080
 .00000
 CP312 .04610
 .00000
 CP313 .03450
 .00000
 CP314 .03450
 .00000

CP302
.03450
.00000

CP303 .03230
 .00000
 CP304 .05480
 .00000
 Q(PSF)
 515.75000
 .00000

RUN NO. 92/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-.012BETA
-4.045
-.042
3.958
GRADIENT

CP231 -.04030
 .00350
 .03740
 .00971
 CP311 .02640
 .04450
 .05250
 .00326
 CP312 .02480
 .04310
 .06130
 .00456
 CP313 .01630
 .03430
 .05340
 .00464
 CP314 .01000
 .03260
 .07400
 .00800

CP302
.06080
.05320
.04050
-.00254

CP303 .05500
 .05520
 .03500
 .00250
 CP304 .05800
 .05350
 .02700
 -.00387
 Q(PSF)
 515.75000
 515.58000
 515.75000
 -.00001

RUN NO. 93/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
4.097BETA
-.042
GRADIENT

CP231 .00570
 .00000
 CP311 .07770
 .00000
 CP312 .06150
 .00000
 CP313 .05930
 .00000
 CP314 .06040
 .00000

CP302
.06010
.00000

CP303 .06150
 .00000
 CP304 .07220
 .00000
 Q(PSF)
 515.58000
 .00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5032) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 4.000 ELV-08 = .000

RUN NO. 94/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-3.791BETA
.011
GRADIENT

CP231 .00620
 .00000
 CP311 -.14100
 .00000
 CP312 -.09130
 .00000
 CP313 -.13260
 .00000
 CP314 -.13980
 .00000

CP302
-.13720
.00000

CP303 -.13980
 .00000
 CP304 -.14060
 .00000
 Q(PSF)
 373.47000
 .00000

RUN NO. 95/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
.169BETA
-3.992
.011
4.011
GRADIENT

CP231 -.04140
 -.00090
 .03550
 .00961
 CP311 -.13660
 -.13890
 -.13440
 .00027
 CP312 -.08690
 -.08740
 -.08280
 .00051
 CP313 -.12830
 -.13060
 -.12600
 .00029
 CP314 -.13510
 -.13740
 -.13320
 .00024

CP302
-.12940
-.13630
-.13280
-.00043

CP303 -.13090
 -.13850
 -.13550
 -.00057
 CP304 -.13090
 -.13890
 -.13400
 -.00039
 Q(PSF)
 373.47000
 373.59000
 373.47000
 .00000

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5032) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 96/ 0 RN/L = 2.12 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.062	.014	.00110	-.13660	-.08430	-.12870	-.13510	-.11540	-.13240	-.13510	-.13470	373.59000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-18 = 4.000 ELV-08 = .000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5033) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 97/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.007	.014	.01740	.09380	.10630	.07860	.07740	.08430	.08430	.08580	.10940	373.22000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-18 = 4.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 98/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-.050	-3.989	.04740	.10060	.08470	.08730	.07970	.09610	.08310	.08730	.08500	373.22000
.137	.008	.03360	.09540	.09470	.08250	.08330	.09580	.08970	.09510	.10110	373.22000
.097	4.011	.02550	.10470	.09290	.08500	.08540	.08790	.08600	.08910	.08640	373.22000
	GRADIENT	-.00149	.00051	.00102	-.00016	.00084	-.00103	.00036	.00022	.00017	-.00000

RUN NO. 99/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.053	.011	.07490	.12390	.11820	.11440	.10460	.11940	.10990	.11180	.12240	373.22000
	GRADIENT	.00600	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5034) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.500 PT = 15.100
 4.000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 100/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.109	-4.083	-0.086	.00080	.11240	-.06830	-.10370	-.11070	-.09320	-.10780	-.11120	-.11180	244.41000
			.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 101/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-260	-4.083	-0.086	-.04340	-.10540	-.05900	-.09670	-.10310	-.09270	-.09910	-.10200	-.10250	244.41000
-1.03			-.00310	-.10750	-.05990	-.09880	-.10520	-.09010	-.10280	-.10400	-.10460	244.41000
-.247	3.917		.02700	-.10460	-.05760	-.09590	-.10400	-.08490	-.09940	-.10400	-.10170	244.49000
	GRADIENT		.00880	.00010	.00018	.00010	-.00011	.00098	-.00004	-.00025	.00010	.01000

RUN NO. 102/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
3.850	-4.086	-0.086	-.00360	-.10750	-.05820	-.09760	-.10510	-.08950	-.10280	-.10570	-.10510	244.41000
			.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.500 PT = 15.100
 4.000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 103/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.056	-4.086	-0.086	.05910	.10900	.13340	.11070	.09220	.10030	.08060	.11070	.14030	244.33000
			.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 104/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	GRADIENT	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-063	-4.086	-0.086	.05360	.13530	.17230	.13530	.12660	.11960	.12370	.10510	.12080	244.65000
-.184			.06220	.12010	.14790	.13110	.10970	.11200	.09810	.12420	.16470	244.65000
-.100	3.914		.05000	.11920	.11160	.09600	.10300	.14120	.12700	.13830	.19740	244.41000
	GRADIENT		-.00035	-.00201	-.00759	-.00491	-.00296	.00270	.00053	.00415	.00957	-.03001

ARC87-044 1A82 OTS SRB-NOM MP3-NOM

(1E5035) (22 JAN 76)

ARC87-044 IAB2 OTS SRB-NOM MPS-NOM

(IE5035) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	50. FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	105/ 0	RN/L =	1.64	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

PARAMETRIC DATA

MACH	=	3.500	PT	=	15.100
ELV-18	=	4.000	ELV-08	=	.000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5036) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	50.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

```

RUN NO. 106/ 0 RN/L = 2.69 GRADIENT INTERVAL = -5.00/ 5.00

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[illegible]

PARAMETRIC DATA

MACH.	=	2.600	PT	=	15.100
ELV-1B	=	4.000	ELV-0B	=	-4.000

```

RUN NO. 107/ 0  RN/L = 2.68  GRADIENT INTERVAL = -5.00/ 5.00

```

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
.141	-4.045	-.04010	-.17640	-.12400	-.16840	-.17530	-.15220	-.16510	-.16790	-.16790	515.91000
.194	-.039	.00190	-.17960	-.12510	-.17220	-.17910	-.15630	-.17660	-.17910	-.17910	516.08000
.057	3.961	.03750	-.17500	-.12210	-.16620	-.17310	-.15250	-.17440	-.17660	-.17690	516.08000
	GRADIENT	.00969	.00017	.00024	.00027	.00027	-.00004	-.00116	-.00109	-.00112	.02124

CP303 CP

-.00115	-.00109	-.00112	.0212
-.17440	-.17660	-.17690	516.08000
-.17660	-.17910	-.17940	516.08000
-.16510	-.16750	-.16750	515.51000

RUN NO.	108/ 0	RN/L =	2.66	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]

CP302	CP303	CP304	Q(PSE
-.17270	-.17580	-.17600	515.91000
.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5037) (22 JAN 76)

REFERENCE DATA

SREF = 2600.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-1B = 4.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 109/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.900	-0.39	.00740	.04040	.04620	.03470	.03490	.04320	.03880	.03660	.05500	515.41000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 110/ 0 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
.050	-4.042	-.03950	.02910	.02440	.01620	.00990	.05160	.05070	.04850	.05540	516.59000
-.050	-.042	.00290	.04430	.04240	.03390	.03250	.06080	.05200	.05480	.05310	516.42000
.100	3.958	.03630	.05250	.06150	.05300	.07390	.04530	.04090	.03520	.02660	515.91000
	GRADIENT	.00947	.00292	.00464	.00460	.00800	-.00079	-.00123	-.00166	-.00360	-.08500

RUN NO. 111/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.044	-.042	.00560	.07660	.06030	.05790	.05870	.07550	.05810	.06030	.07000	515.07000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2630.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = 4.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 112/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.763	.011	.00510	-.14170	-.09230	-.13410	-.14130	-.11970	-.13830	-.14100	-.14170	372.98000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 113/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
.003	-3.986	-.04260	-.13730	-.08790	-.12930	-.13660	-.12020	-.13120	-.13240	-.13240	372.86000
.187	.011	-.00290	-.14100	-.08890	-.13260	-.13710	-.12080	-.13790	-.14020	-.14100	372.86000
-.063	4.014	.03390	-.13600	-.08510	-.12760	-.13490	-.11510	-.13450	-.13750	-.13560	372.86000
	GRADIENT	.00956	.00016	.00035	.00021	.00021	.00064	-.00041	-.00064	-.00040	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5038) (22 JAN 76)

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5038) (22 JAN 78)

REF. REFERENCE DATA

SREF	=	2690.0000	SO. FT.	XMRP	=	976.0000	IN. XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN. YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN. ZT
SCALE	=	.0100					

RUN NO.	114/ 0	RN/L =	2.11	GRADIENT INTERVAL =	-5.00/ 5.00
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[illegible]

PARAMETRIC DATA

MACH	=	3.000	PT	=	15.100
ELV-18	=	4.000	ELV-08	=	-4.000

ARC87-044	1A82	OTS	SRB-NOM	MPS-NOM
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(1E5039) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO. 115/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
ALPHA										
BETA										
	.01520	.09310	.10450	.07710	.07840	.08320	.08320	.08470	.10750	373.35000
GRADIENT	.00000	.00000	.00000	.00000	.00300	.00000	.00000	.00000	.00000	.00000

PARAMETRIC DATA

MACH	=	3.000	PT	=	15.100
ELV-1B	=	4.000	ELV-0B	=	-4.000

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5040) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500
 ELV-18 = 4.000
 ELV-08 = 15.100
 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 118/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.084	-0.086	.00320	-.11070	-.06530	-.10140	-.10830	-.09090	-.10600	-.10890	-.10890	243.77000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 119/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-.038	-4.086	-.04010	-.10230	-.05580	-.09350	-.09930	-.09010	-.09880	-.09930	-.09990	244.01000
-.278	-.086	-.00240	-.10690	-.05990	-.09880	-.10570	-.08890	-.10280	-.10630	-.10520	244.09000
-.372	3.917	.02910	-.10260	-.05610	-.09440	-.10200	-.08280	-.09970	-.10260	-.10020	244.09000
	GRADIENT	.00865	-.00004	-.00004	-.00011	-.00034	.00091	-.00011	-.00041	-.00004	.01000

RUN NO. 120/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
3.822	-.086	-.00240	-.10520	-.05640	-.09640	-.10340	-.08770	-.10170	-.10400	-.10340	244.09000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5041) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500
 ELV-18 = 4.000
 ELV-08 = 15.100
 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 121/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.112	-.086	.06380	.11590	.13850	.11530	.09800	.10380	.08460	.11530	.14490	244.41000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 122/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-.204	-4.083	.05740	.13850	.17430	.13670	.12920	.12340	.12800	.10890	.12400	244.81000
-.094	-.086	.06440	.12280	.15060	.13380	.11180	.11300	.10020	.12570	.16680	244.73000
-.116	3.917	.05410	.11890	.10680	.09460	.10210	.14330	.12880	.13800	.19600	244.65000
	GRADIENT	-.00041	-.00245	-.00844	-.00526	-.00339	.00249	.00010	.00364	.00900	-.02000

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5041) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 123/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
3.875	-.089	.07360	.10670	.11650	.09620	.09560	.10490	.09970	.09560	.11650	244.41000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.500 PT = 15.100
 ELV-1B = 4.000 ELV-0B = -4.000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5042) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 124/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.800	-.046	.00710	.17990	.12800	.17350	.18020	.15640	.17740	.17990	.18020	505.33000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 125/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-.478	-4.042	.04120	.17720	.12480	.17600	.17670	.15280	.16490	.16710	.16740	504.65000
.141	-.042	.00170	.17790	.12380	.17690	.17740	.15490	.17430	.17740	.17740	504.82000
.888	3.961	.03730	.17270	.12130	.16630	.17300	.15110	.17360	.17640	.17130	504.82000
	GRADIENT	.00981	.00056	.00044	.00046	.00046	.00021	.00109	.00116	.00049	.02124

RUN NO. 126/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.116	-.042	-.00550	.17670	.12190	.16910	.17530	.15280	.17100	.17360	.17390	504.65000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5043) (22 JAN 76)

REFERENCE DATA

SRF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-IB = 10.000 ELV-OB = -4.000

RUN NO. 127/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.728	-0.042	.01980	.04470	.04470	.03700	.03670	.04670	.04030	.03810	.05190	511.54000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 128/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.490	-4.042	-.04140	.02670	.01980	.01230	.00820	.05530	.06160	.05610	.06050	511.54000
.194	-.042	.00330	.04840	.04340	.03650	.03460	.06390	.05400	.05590	.05700	511.54000
.860	3.961	.03700	.05410	.06080	.05470	.07410	.03950	.03640	.03390	.04860	511.54000
	GRADIENT	.00990	.00342	.00512	.00530	.00823	-.00197	-.00315	-.00277	-.00149	.00000

RUN NO. 129/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.022	-.042	-.00190	.08400	.06250	.05790	.05740	.08400	.07010	.07430	.07620	511.54000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5044) (22 JAN 76)

REFERENCE DATA

SRF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-IB = 10.000 ELV-OB = -4.000

RUN NO. 130/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.978	.011	.01570	-.13730	-.08870	-.13030	-.13690	-.11590	-.13650	-.13980	-.13840	364.84000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 131/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-6.638	-3.992	-.04460	-.13630	-.08550	-.12810	-.13550	-.11720	-.12770	-.12930	-.12930	364.59000
.081	.011	-.00350	-.13840	-.08680	-.12990	-.13690	-.11790	-.13690	-.13690	-.13690	364.71000
	GRADIENT	.01024	-.00052	-.00007	-.00045	-.00035	-.00017	-.00152	-.00190	-.00190	.02998

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5044) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 132/ 0 RN/L = 2.06 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.075	.014	-.00520	-.13530	-.08290	-.12720	-.13340	-.11470	-.13070	-.13300	-.13220	364.59000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-08 = -4.000

PARAMETRIC DATA

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5045) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 133/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.956	.014	.02020	.09760	.10630	.08320	.08160	.08810	.08730	.08770	.10590	373.47000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 134/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-619	-3.985	.04390	.10150	.07950	.08180	.07680	.09390	.08100	.08630	.08220	373.47000
.225	.011	.04100	.09570	.09640	.08590	.08200	.09680	.08850	.09000	.10440	373.47000
.753	4.011	.03340	.11040	.09790	.09260	.08990	.08040	.08610	.09100	.11080	373.59000
	GRADIENT	-.00131	.00111	.00230	.00135	.00164	-.00169	.00064	.00059	.00358	.01501

RUN NO. 135/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.137	.011	.07460	.11700	.11590	.10870	.09810	.12310	.10950	.11330	.12540	373.47000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-08 = -4.000

PARAMETRIC DATA

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(1E5046) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-IB = 10.000 ELV-OB = -4.000

RUN NO. 136/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.256	- .086	.01000	- .10880	- .06420	- .09990	- .10700	- .08920	- .10520	- .10820	- .10760	238.51000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 137/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
- .778	-4.083	- .04290	- .10340	- .05890	- .09510	- .10170	- .09100	- .09990	- .10110	- .10110	238.67000
- .147	- .086	- .00580	- .10730	- .05920	- .09780	- .10490	- .08950	- .10310	- .10490	- .10430	238.67000
.540	3.917	.02420	- .10280	- .05590	- .09450	- .10280	- .08210	- .09810	- .10280	- .09930	238.59000
	GRADIENT	.00839	.00008	.00038	.00008	- .00014	.00111	.00023	- .00021	.00023	- .01000

RUN NO. 138/ 0 RN/L = 1.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
3.878	- .083	- .01150	- .10730	- .05860	- .09840	- .10490	- .09010	- .10310	- .10490	- .10490	238.51000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5047) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-IB = 10.000 ELV-OB = -4.000

RUN NO. 139/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.134	- .083	.06400	.10490	.12390	.11410	.09000	.11590	.10550	.11700	.15040	245.92000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 140/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
- .635	-4.066	.04650	.16560	.16220	.13280	.11380	.12130	.12820	.10810	.12130	245.92000
- .062	- .089	.06310	.12420	.15010	.13280	.11780	.11380	.10750	.12480	.16740	245.92000
.522	3.914	.05890	.12800	.11990	.10380	.11530	.14060	.13320	.13660	.16770	245.92000
	GRADIENT	.00155	- .00470	- .00520	- .00353	.00019	.00241	.00053	.00349	.00580	- .00000

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(1E5047) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 141/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.863

BETA
 GRADIENT

CP231
 .08940
 .00000

CP311
 .11300
 .00000

CP312
 .13130
 .00000

CP313
 .11010
 .00000

CP314
 .10550
 .00000

CP301
 .11300
 .00000

CP302
 .10260
 .00000

CP303
 .09970
 .00000

CP304
 .11240
 .00000

Q(PSF)
 245.92000
 .00000

MACH = 3.500 PT = 15.100
 ELV-18 = 10.000 ELV-08 = -4.000

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 142/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.859

BETA
 GRADIENT

CP231
 -.04040
 .01990

CP311
 -.18220
 -.17880

CP312
 -.12500
 -.12570

CP313
 -.17540
 -.17150

CP314
 -.18220
 -.17830

CP301
 -.15630
 -.15380

CP302
 -.17070
 -.17600

CP303
 -.17320
 -.17880

CP304
 -.17260
 -.17910

Q(PSF)
 503.98000
 503.98000

MACH = 2.600 PT = 15.100
 ELV-18 = 8.000 ELV-08 = -4.000

PARAMETRIC DATA

RUN NO. 143/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -3.859

BETA
 GRADIENT

CP231
 -.04290
 .03000

CP311
 -.18110
 -.18160

CP312
 -.12730
 -.12560

CP313
 -.17350
 -.17320

CP314
 -.18080
 -.18080

CP301
 -.15600
 -.15710

CP302
 -.16840
 -.17820

CP303
 -.17090
 -.18050

CP304
 -.17090
 -.18020

Q(PSF)
 503.81000
 503.81000

MACH = 2.600 PT = 15.100
 ELV-18 = 8.000 ELV-08 = -4.000

ARC87-044 1A82 QTS SRB-OFF MPS-OFF

(1E5048) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 144/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.194

BETA
 GRADIENT

CP231
 -.04490
 .00510

CP311
 -.17500
 -.17720

CP312
 -.12150
 -.12290

CP313
 -.16910
 -.16990

CP314
 -.17360
 -.17580

CP301
 -.15050
 -.15360

CP302
 -.16120
 -.17190

CP303
 -.16490
 -.17440

CP304
 -.16460
 -.17470

Q(PSF)
 503.98000
 503.65000

MACH = 3.500 PT = 15.100
 ELV-18 = 10.000 ELV-08 = -4.000

PARAMETRIC DATA

ORIGINAL PAGE IS
 OF POOR QUALITY

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5049) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = 0.0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = 8.000 ELV-08 = -4.000

RUN NO. 145/ 0 RN/L = 2.57 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.875	-4.049	-0.0070	.02510	.02180	.00830	.00480	.04830	.05850	.05110	.05550	514.57000
-3.741	-.042	.01780	.04220	.04460	.03330	.03330	.04520	.03830	.03520	.04990	512.55000
-3.909	3.961	.05630	.04520	.05600	.05380	.07190	.02930	.03270	.02460	.02770	510.54000
	GRADIENT	.01211	.00251	.00427	.00568	.00838	-.00237	-.00322	-.00331	-.00347	-50317

RUN NO. 146/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-.781	-4.042	-0.0230	.02120	.01740	.00940	.00470	.05010	.05830	.05390	.05720	515.75000
.044	-.046	.00220	.04640	.04200	.03540	.03490	.05880	.05300	.05470	.05330	516.08000
.522	3.958	.03470	.05020	.05590	.05040	.06720	.03450	.03470	.03250	.04080	514.91000
	GRADIENT	.00962	.00362	.00481	.00512	.00781	-.00195	-.00295	-.00268	-.00205	-10505

RUN NO. 147/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.082	-4.045	-0.0440	.03940	.02670	.02730	.02530	.06140	.05590	.05560	.05390	515.75000
4.034	-.046	-.00080	.07900	.05940	.05450	.05390	.07950	.06630	.06990	.07210	515.75000
4.100	3.961	.03380	.06650	.06350	.06130	.06050	.04860	.03410	.03410	.02660	515.75000
	GRADIENT	.00227	.00338	.00460	.00425	.00440	-.00160	-.00272	-.00269	-.00341	.00000

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5050) (22 JAN 76)

REFERENCE DATA

SPEF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-08 = -4.000

RUN NO. 148/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.960	-3.986	-0.3630	-0.14120	-0.09100	-0.13280	-0.14040	-0.11990	-0.13360	-0.13400	-0.13400	373.59000
-4.050	-1.995	-0.00590	-0.13760	-0.08900	-0.13040	-0.13800	-0.11600	-0.13260	-0.13530	-0.13530	373.47000
-3.903	.008	.01230	-0.13890	-0.08990	-0.13090	-0.13810	-0.11880	-0.13780	-0.14080	-0.14080	373.59000
-3.822	2.014	.03510	-0.13720	-0.08640	-0.12920	-0.13640	-0.11520	-0.13610	-0.13950	-0.13950	373.47000
-3.875	4.017	.05600	-0.13550	-0.08500	-0.12640	-0.13360	-0.11230	-0.13510	-0.13850	-0.13850	373.47000
	GRADIENT	.01127	.00059	.00073	.00070	.00076	.00080	-0.0032	-0.00056	-0.00074	-0.01199

RUN NO. 149/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-666	-3.989	-0.4270	-0.13570	-0.08590	-0.12730	-0.13420	-0.11590	-0.12770	-0.12850	-0.12850	373.59000
-4.38	-1.989	-0.02170	-0.13630	-0.08620	-0.12720	-0.13400	-0.11770	-0.13130	-0.13280	-0.13360	373.47000
-0.094	.014	-0.00450	-0.13950	-0.08810	-0.13110	-0.13720	-0.11850	-0.13560	-0.13870	-0.13870	373.47000
.072	2.017	.01500	-0.13570	-0.08480	-0.12810	-0.13530	-0.11520	-0.13300	-0.13610	-0.13450	373.47000
.487	4.011	.03150	-0.13360	-0.08310	-0.12640	-0.13360	-0.11190	-0.13130	-0.13430	-0.13170	373.59000
	GRADIENT	.00926	.00024	.00035	.00004	.00001	.00052	-0.00045	-0.00075	-0.00037	-0.00001

RUN NO. 150/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.022	-3.992	-0.05000	-0.13210	-0.08080	-0.12370	-0.12900	-0.11460	-0.11840	-0.12410	-0.12450	373.59000
4.078	-1.999	-0.02870	-0.13300	-0.08220	-0.12510	-0.13040	-0.11410	-0.12730	-0.12890	-0.12920	373.47000
4.081	.011	-0.00600	-0.13550	-0.08350	-0.12750	-0.13400	-0.11570	-0.13090	-0.13400	-0.13320	373.59000
4.050	2.011	.01430	-0.13280	-0.08050	-0.12480	-0.13170	-0.11200	-0.12910	-0.13250	-0.13100	373.47000
4.016	4.014	.03390	-0.13240	-0.08000	-0.12480	-0.13210	-0.11120	-0.12900	-0.13360	-0.12980	373.47000
	GRADIENT	.01053	-0.00002	.00016	-0.00010	-0.00037	.00044	-0.00115	-0.00113	-0.00062	-0.01199

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5051) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

MACH	=	3.000	PT	=	15.100
ELV-1B	=	8.000	ELV-0B	=	-4.000

PARAMETRIC DATA

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302
-3.888	-3.989	.03610	.09380	.08310	.06720	.06230	.09340	.06910
-3.950	-1.989	.01390	-.09480	-.08980	.06780	.06400	.08490	.07350
-3.910	.014	.01810	.09220	.10280	.07740	.07550	.08540	.08230
-3.922	2.008	.03300	.09190	.09830	.08130	.07940	.07780	.07100
-3.997	4.008	.05310	.08380	.07890	.07510	.07280	.07130	.06370
	GRADIENT	.00265	-.00115	.00001	.00147	.00182	.00257	-.00065

ALPHA	BETA	RUN. NO.	152/ 0	RN/L =	2.06	GRADIENT	INTERVAL =	-5.00/	5.00
		CP231	CP311	CP312	CP313	CP314	CP301	CP302	
- .903	-3.989	.03840	.09350	.07530	.07530	.07000	.08970	.07720	
- .566	-1.995	.03290	.09370	.08870	.07660	.07010	.08990	.07700	
- .119	.011	.03550	.08950	.08910	.07700	.07700	.09100	.08460	
.131	2.014	.01870	.09560	.10230	.08710	.08670	.07110	.07490	
.387	4.008		.10580	.09410	.08870	.08720	.07730	.08190	
	GRADIENT	- .00126	.00152	.00256	.00186	.00255	- .00218	.00036	

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5052) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT.
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-IB = 8.000 ELV-OB = -4.000

PARAMETRIC DATA

RUN NO. 154/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.213	-4.083	-.02060	-.10400	-.05940	-.09590	-.10230	-.08670	-.09770	-.09940	-.09940	244.57000
-4.197	-2.083	-.00580	-.10720	-.06260	-.09850	-.10610	-.08870	-.10200	-.10370	-.10370	244.57000
-4.181	-.083	.00950	-.10630	-.06170	-.09710	-.10460	-.08660	-.10290	-.10520	-.10520	244.57000
-4.262	1.914	.02500	-.10490	-.06140	-.09740	-.10370	-.08690	-.10370	-.10500	-.10500	244.57000
-4.225	3.914	.04840	-.10170	-.05710	-.09360	-.10050	-.08080	-.10000	-.10400	-.10340	244.57000
	GRADIENT	.00844	.00035	.00029	.00029	.00030	.00068	-.00032	-.00058	-.00046	-.00000

RUN NO. 155/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-1.066	-4.086	-.03830	-.10260	-.05800	-.09390	-.10080	-.08930	-.09850	-.09970	-.10030	244.65000
-1.750	-2.089	-.02200	-.10490	-.05800	-.09560	-.10260	-.08920	-.10030	-.10200	-.10260	244.57000
-3.372	-.089	-.00410	-.10660	-.05970	-.09790	-.10490	-.08920	-.10260	-.10490	-.10430	244.65000
-1.109	1.914	.01240	-.10230	-.05540	-.09480	-.10170	-.08370	-.09940	-.10230	-.09940	244.57000
.215	3.917	.02580	-.10290	-.05530	-.09470	-.10230	-.08200	-.09880	-.10230	-.10000	244.57000
	GRADIENT	.00813	.00010	.00040	-.00004	-.00010	.00100	.00002	-.00027	.00019	-.00800

RUN NO. 156/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
3.937	-4.083	-.04720	-.09820	-.05010	-.08840	-.09470	-.08660	-.09190	-.09470	-.09530	244.49000
3.759	-2.089	-.02730	-.10140	-.05450	-.09270	-.09790	-.08810	-.09790	-.09910	-.09970	244.65000
3.697	-.086	-.00870	-.10320	-.05500	-.09450	-.10140	-.08750	-.09970	-.10200	-.10140	244.57000
3.781	1.914	.00950	-.10230	-.05420	-.09420	-.10110	-.08490	-.09880	-.10170	-.10000	244.57000
3.706	3.911	.02350	-.10050	-.05190	-.09240	-.10000	-.08140	-.09590	-.10000	-.09650	244.57000
	GRADIENT	.00891	-.00026	-.00016	-.00048	-.00063	.00068	-.00045	-.00066	-.00013	.00800

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5053) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH =
 ELV-1B =

3.500 PT = 15.100
 8.000 ELV-0B = -4.000

PARAMETRIC DATA

RUN NO. 157/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.282	-4.092	.04130	.12230	.12230	.10090	.10960	.10720	.11710	.11420	.11940	245.13000
-4.166	-2.089	.06030	.13480	.13600	.11460	.11340	.10130	.09610	.11050	.13540	245.21000
-4.150	-.089	.06530	.10630	.12710	.11500	.09070	.11730	.10690	.12020	.15490	245.13000
-4.294	1.914	.08600	.07910	.07910	.10570	.07680	.12650	.12240	.11840	.13460	245.21000
-4.169	3.917	.07890	.07650	.06500	.10430	.08690	.12160	.10660	.11410	.14180	245.21000
	GRADIENT	.00504	-.00736	-.00857	-.00010	-.00409	.00270	.00026	.00038	.00220	.00799

RUN NO. 158/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.979	-4.089	.04210	.16230	.16060	.13280	.10800	.12010	.12130	.10740	.12420	245.21000
-4.775	-2.083	.04930	.13540	.13830	.11060	.10310	.11750	.10070	.09610	.13690	245.28000
-4.356	-.086	.06150	.11930	.14710	.12680	.11180	.11180	.10310	.12390	.16730	245.28000
-4.047	1.911	.08900	.12850	.13250	.09900	.10190	.13710	.12040	.12040	.14810	245.28000
-4.418	3.917	.04100	.12360	.11210	.10340	.12710	.13340	.12300	.13000	.16580	245.28000
	GRADIENT	.00087	-.00421	-.00514	-.00352	.00185	.00231	.00115	.00347	.00462	.00700

RUN NO. 159/ 0 RN/L = 1.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
3.722	-4.092	.07230	.16080	.19890	.16710	.14810	.12260	.13880	.11390	.11740	245.13000
3.750	-2.092	.08690	.14400	.14860	.14460	.13760	.13300	.13420	.11100	.12670	245.13000
3.725	-.083	.08810	.11640	.13380	.11060	.10720	.11470	.10890	.10660	.11580	245.21000
3.791	1.909	.05690	.12340	.11870	.11120	.12280	.11820	.10830	.11180	.13550	245.21000
3.756	3.914	.04070	.13490	.12280	.10560	.13090	.13720	.13090	.13840	.15630	245.21000
	GRADIENT	-.00465	-.00362	-.00910	-.00772	-.00246	.00072	-.00208	.00249	.00433	.01200

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82C U/S SRB-OFF MPS-OFF

(1E5054) (22 JAN 76)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-1B = 8.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 160/ 0 RN/L = 2.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.766	-0.042	.01740	-.17930	-.13090	-.17320	-.17870	-.15940	-.17650	-.17930	-.17960	515.58000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 161/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-.562	-4.042	-.04260	-.17740	-.12900	-.17020	-.17660	-.15320	-.16450	-.16720	-.16780	515.58000
.144	-.042	.00160	-.17880	-.12820	-.17190	-.17790	-.15620	-.17520	-.17790	-.17790	515.75000
.553	3.958	.03920	-.17250	-.12530	-.16600	-.17230	-.15140	-.17290	-.17560	-.17090	515.75000
	GRADIENT	.00050	.00050	.00046	.00053	.00054	.00023	-.00105	-.00105	-.00039	.02125

RUN NO. 162/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.100	-.039	-.00400	-.17550	-.12550	-.16920	-.17410	-.15160	-.16940	-.17220	-.17270	515.75000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-1B = 8.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 163/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.819	-.039	.02190	.04270	.04630	.03560	.03560	.04270	.03370	.03230	.04660	515.91000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 164/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-.587	-4.045	-.03900	.02480	.02120	.01300	.00780	.05470	.06190	.05720	.06160	515.91000
-.103	-.042	.00530	.04890	.04490	.03970	.03920	.06420	.05590	.05780	.05810	515.75000
.555	3.958	.03790	.05350	.06100	.05440	.07300	.04040	.03820	.03510	.04890	516.08000
	GRADIENT	.00951	.00359	.00497	.00517	.00815	-.00179	-.00296	-.00276	-.00159	.02123

ARC87-044 1A82C OTS SRB-NOM MPS-NOM

(1E5055) (22 JAN 76)

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(IE5055) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	50.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	165/ 0	RN/L =	2.64	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XMRP	=	976.0000	IN.	XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN.	YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN.	ZT
SCALE	=	.0100						

RUN NO.	!66/ 0	RN/L = 2.12	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

RUN NO.	167/ 0	RN/L =	2.12	GRADIENT INTERVAL =	-5.00/ 5.00
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ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-638	-3.992	-04000	-13660	-08980	-12830	-13510	-11610	-12860	-12980	-12980	372.98000
.022	.011	-00050	-13950	-09150	-13190	-13790	-11890	-13870	-13910	-13910	372.86000
.578	4.014	00350	-13340	-08580	-12580	-13260	-11130	-13030	-13340	-13030	372.86000
	GRADIENT	.00948	.00040	.00050	.00031	.00031	.00060	.00021	.00045	.00006	-0.1499

RUN NO.	168/ 0	RN/L = 2.12	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5057) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .0000

PARAMETRIC DATA

RUN NO. 169/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.875	.014	.02060	.09810	.11020	.08360	.08100	.09050	.08890	.09010	.11100	373.35000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 170/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-866	-3.986	.04380	.10460	.08480	.08410	.07910	.09660	.08410	.08980	.08790	373.35000
-.182	.011	.04310	.10040	.10190	.08640	.08680	.10160	.09510	.09700	.10800	373.35000
.597	4.011	.03520	.11230	.10050	.09550	.09290	.08530	.09020	.09520	.11490	373.35000
	GRADIENT	-.00108	.00096	.00196	.00143	.00173	-.00141	.00076	.00068	.00338	.00000

RUN NO. 171/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.050	.008	.07830	.11960	.11740	.11550	.10710	.12570	.11280	.11620	.12840	373.35000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-1B = 8.000 ELV-0B = .0000

PARAMETRIC DATA

RUN NO. 172/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.240	-.089	.01020	-.10540	-.06460	-.09830	-.10410	-.08730	-.10290	-.10470	-.10520	244.41000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 173/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-913	-4.083	-.03770	-.10090	-.05950	-.09330	-.09800	-.08750	-.09680	-.09800	-.09860	244.41000
-.347	-.089	-.00080	-.10410	-.06000	-.09600	-.10180	-.08720	-.09940	-.10180	-.10120	244.33000
.203	3.914	.02760	-.09830	-.05710	-.09250	-.10000	-.08150	-.09710	-.10060	-.09830	244.41000
	GRADIENT	.00817	.00033	.00018	.00010	-.00025	.00075	-.00004	-.00032	.00004	.00001

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ARC87-044 IA82 OTS SRB-OFF MPS-OFF

(1E5058) (22 JAN 76)

REFERENCE DATA

SREF	=	2690.0000	50.FT.	XMRP	=	976.0000	IN. XT
LREF	=	1290.3000	IN.	YMRP	=	.0000	IN. YT
BREF	=	1290.3000	IN.	ZMRP	=	400.0000	IN. ZT
SCALE	=	.0100					

RUN NO.	174	0	RN/L	=	1.64	GRADIENT	INTERVAL	=	-5.00	5.00
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[illegible]

REFERENCE DATA

SREF	=	2690.0000	SQ.FT.	XIRP	=	976.0000	IN. XT
LRFP	=	1290.3000	IN.	YIRP	=	.0000	IN. YT
BRFP	=	1290.3000	IN.	ZIRP	=	400.0000	IN. ZT
SCALE	=	.0100					

RUN NO.	175/ 0	RN/L = 1.64	GRADIENT INTERVAL = -5.00/ 5.00
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[illegible]ETA
CP231

ALPHA	BETA	CP231	CP311	CP312
1.072	-4.086	.04290	.16260	.16200
-.381	-.089	.06270	.11950	.14850
.409	3.917	.04340	.12240	.11200
GRADIENT		.00005	-.00502	-.00625

RUN NO.	177/0	RN/L =	1.64	GRADIENT	INTERVAL =	-5.00/	5.00
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[illegible]

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5060) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 178/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.912	-4.039	-0.04220	-0.18000	-0.13140	-0.17400	-0.18060	-0.15390	-0.16660	-0.16960	-0.16930	515.41000
-4.016	-0.042	-0.02110	-0.17800	-0.12990	-0.17160	-0.17880	-0.15320	-0.17600	-0.17850	-0.17850	515.58000
-3.853	3.964	-0.05890	-0.17230	-0.12590	-0.16600	-0.16990	-0.15500	-0.17950	-0.18060	-0.18190	515.58000
	GRADIENT	.01263	.00096	.00069	.00100	.00134	-0.00014	-0.00161	-0.00137	-0.00157	.02123

RUN NO. 179/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-0.546	-4.045	-0.04380	-0.17690	-0.12940	-0.17140	-0.17910	-0.15270	-0.16430	-0.16680	-0.16680	515.24000
.053	-0.036	-0.00060	-0.18090	-0.12920	-0.17300	-0.17960	-0.15620	-0.17650	-0.17900	-0.17870	515.41000
.669	3.967	-0.03600	-0.17420	-0.12630	-0.16840	-0.17500	-0.15330	-0.17530	-0.17860	-0.17280	515.41000
	GRADIENT	.00996	.00059	.00039	.00037	.00051	-0.00008	-0.00137	-0.00147	-0.00075	.02122

RUN NO. 180/ 0 RN/L = 2.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
3.882	-4.042	-0.04410	-0.17500	-0.12470	-0.16980	-0.17390	-0.14810	-0.15960	-0.16180	-0.16180	515.24000
4.034	-0.042	-0.00300	-0.17630	-0.12590	-0.16910	-0.17460	-0.15260	-0.16990	-0.17350	-0.17320	515.24000
4.154	3.961	-0.03400	-0.17350	-0.12370	-0.16740	-0.17430	-0.15310	-0.17380	-0.17820	-0.17600	515.07000
	GRADIENT	.00976	.00019	.00013	.00030	-0.00005	-0.00062	-0.00177	-0.00205	-0.00177	.02124

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

PARAMETRIC DATA

RUN NO. 181/ 0 RN/L = 2.59 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.830	-4.042	-0.04010	-0.22790	-0.2240	-0.0970	-0.0640	-0.05100	-0.05950	-0.05260	-0.05760	515.41000
-3.900	-0.042	-0.01970	-0.04310	-0.03540	-0.03510	-0.04780	-0.04060	-0.04060	-0.03840	-0.05300	515.41000
-3.940	3.958	-0.05690	-0.04680	-0.05800	-0.05470	-0.07400	-0.03160	-0.03000	-0.02450	-0.02530	515.24000
	GRADIENT	.01212	.00236	.00445	.00562	.00845	-0.00243	-0.00331	-0.00351	-0.00404	.02125

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5061) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

RUN NO. 182/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-634	-4.039	.04330	.02550	.01780	.01090	.00840	.05200	.05990	.05470	.05880	515.41000
-.063	-.039	.00210	.04890	.04310	.03480	.03320	.06240	.05850	.05900	.05800	515.24000
.788	3.958	.03480	.05400	.05900	.05320	.07030	.03780	.03640	.03480	.04660	515.41000
	GRADIENT	.00977	.00356	.00515	.00529	.00774	-.00178	-.00294	-.00249	-.00153	-.00001

RUN NO. 183/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
4.060	-4.045	-.04170	.04080	.03000	.03000	.02810	.06250	.05760	.05700	.05480	515.24000
4.009	-.042	-.00210	.08220	.06040	.05680	.08250	.08250	.07250	.07450	.07450	515.24000
4.019	3.954	.03190	.06690	.06500	.06340	.06170	.05180	.03550	.03550	.03110	515.24000
	GRADIENT	.00920	.00326	.00438	.00418	.00420	-.00134	-.00276	-.00269	-.00296	-.00000

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5062) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

RUN NO. 184/ 0 RN/L = 2.09 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-3.963	-3.995	-.03450	-.14060	-.09460	-.13330	-.14020	-.11890	-.13260	-.13370	-.13330	373.22000
-4.050	.008	.01360	-.13890	-.09360	-.13160	-.13810	-.11760	-.13730	-.14000	-.14000	373.35000
-4.038	4.014	.05650	-.13560	-.08920	-.12760	-.13370	-.11430	-.13410	-.13980	-.13980	373.22000
	GRADIENT	.01135	.00062	.00067	.00071	.00081	.00057	-.00019	-.00076	-.00081	-.00000

RUN NO. 185/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-7.13	-3.989	-.04410	-.13690	-.09090	-.12930	-.13580	-.11790	-.12860	-.12970	-.13010	373.22000
-.091	.011	-.00360	-.13990	-.09230	-.13180	-.13830	-.11930	-.13560	-.13830	-.13870	373.22000
.581	4.014	.03150	-.13410	-.08730	-.12730	-.13370	-.11240	-.13180	-.13490	-.13180	373.22000
	GRADIENT	.00946	.00035	.00045	.00025	.00026	.00069	-.00040	-.00065	-.00021	-.00000

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ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5062) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

PARAMETRIC DATA

ALPHA		BETA		GRADIENT		RUN NO. 186/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00		CP301		CP302		CP303		CP304	
3.887	-3.986	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)				
3.825	.011	-04920	-13130	-08410	-12440	-12900	-11340	-11870	-12370	-12370	373.22000				
4.052	4.011	-00500	-13540	-08640	-12780	-13350	-11490	-13090	-13310	-13310	373.22000				
		.03330	-13370	-08500	-12680	-13370	-11240	-13100	-13520	-13520	373.22000				
		.01032	-00030	-00011	-00030	-00059	.00013	-00154	-00144	-00144	.00000				

ARC87-044 1A82 OTS SRB-NOM MRS-NOM

(1E5063) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.000 PT = 15.100
 ELV-1B = 10.000 ELV-0B = .000

PARAMETRIC DATA

ALPHA		BETA		GRADIENT		RUN NO. 187/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00		CP301		CP302		CP303		CP304	
-4.053	-3.989	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)				
-4.200	.011	.04150	.09690	.08740	.06880	.06470	.09160	.07070	.07070	.07600	373.71000				
-4.135	4.011	.02230	.09940	.10960	.08420	.08150	.09060	.08950	.08950	.11000	373.59000				
		.05040	.08690	.08160	.07900	.07630	.08160	.06990	.07180	.07250	373.59000				
		.00236	-00125	-00073	.00128	.00145	-00125	-00010	.00014	-00044	-01500				

RUN NO. 188/ 0 RN/L = 2.08 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA		BETA		GRADIENT		RUN NO. 189/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00		CP301		CP302		CP303		CP304	
-4.709	-3.995	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)				
-0.041	.008	.04280	.10160	.07960	.08110	.07520	.09400	.08110	.08720	.08300	373.59000				
.525	4.008	.03210	.11140	.09890	.08380	.08040	.09560	.08800	.08910	.10400	373.59000				
		.00134	.00122	.00241	.00151	.00170	-00176	.08550	.09060	.10920	373.59000				
								.00056	.00042	.00327	-00000				

RUN NO. 189/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA		BETA		GRADIENT		RUN NO. 189/ 0 RN/L = 2.07 GRADIENT INTERVAL = -5.00/ 5.00		CP301		CP302		CP303		CP304	
3.909	-3.992	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)				
3.993	.011	.05450	.11300	.11000	.10390	.09860	.11300	.10500	.10350	.09360	373.47000				
3.859	4.017	.07490	.11820	.11850	.10940	.09800	.12230	.10980	.11360	.12460	373.59000				
		.03580	.12800	.11670	.11550	.12040	.11210	.10410	.10960	.13030	373.59000				
		-00234	.00187	.00084	.00145	.00272	-00011	-00011	.00079	.00458	.01498				

ARC87-044 1A82 OTS SRB-OFF MPS-OFF

(1E5064) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

RUN NO. 190/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.213	-4.080	-.0680	-.10750	-.06800	-.10050	-.10630	-.09120	-.10220	-.10340	-.10400	244.49000
-4.394	-.085	.00750	-.10860	-.06800	-.10050	-.10800	-.09000	-.10570	-.10860	-.10860	244.41000
-4.360	3.914	.04750	-.10400	-.06280	-.09590	-.10280	-.08250	-.10220	-.10570	-.10510	244.49000
	GRADIENT	.00929	.00044	.00050	.00058	.00044	.00109	.00000	-.00029	-.00014	.00001

RUN NO. 191/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-1.016	-4.083	-.04240	-.10460	-.06210	-.09580	-.10160	-.09180	-.09990	-.10110	-.10110	244.41000
-.294	-.086	-.00560	-.10660	-.06250	-.09850	-.10480	-.08920	-.10190	-.10480	-.10430	244.49000
.359	3.914	.02420	-.10170	-.05760	-.09410	-.10110	-.08140	-.09700	-.10050	-.09820	244.49000
	GRADIENT	.00833	.00036	.00056	.00021	.00006	.00130	.00036	.00008	.00036	.01000

RUN NO. 192/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
3.775	-4.092	-.04690	-.09620	-.05150	-.08920	-.09330	-.08630	-.09040	-.09440	-.09390	244.49000
3.675	-.085	-.00490	-.10050	-.05530	-.09180	-.09820	-.08370	-.09650	-.09880	-.09820	244.49000
3.665	3.920	.02460	-.09730	-.05430	-.09210	-.09900	-.08110	-.09560	-.09960	-.09610	244.41000
	GRADIENT	.00692	-.00014	-.00035	-.00036	-.00071	.00065	-.00065	-.00065	-.00027	-.00998

ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5065) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

RUN NO. 193/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.288	-4.086	.03770	.11930	.12620	.10020	.10890	.10430	.11530	.11120	.11640	245.28000
-4.228	-.083	.06380	.10540	.12620	.11250	.09150	.11410	.10370	.11640	.15110	245.28000
-4.303	3.917	.07640	.07470	.06250	.10300	.08390	.12330	.10710	.11520	.14410	245.28000
	GRADIENT	.00484	-.00557	-.00796	.00035	-.00312	.00237	-.00102	.00050	.00346	-.00000

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM

(1E5065) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 3.500 PT = 15.100
 ELV-18 = 10.000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 194/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
- .950	-4.089	.05000	.15990	.16220	.13160	.11360	.12460	.12460	.10900	.12520	245.21000
- .194	- .089	.06370	.12210	.14870	.13020	.11920	.11230	.10990	.12440	.17010	245.28000
.325	3.917	.04480	.13330	.12640	.10670	.12120	.13620	.13040	.13680	.17030	245.28000
	GRADIENT	-.00065	-.00332	-.00447	-.00311	.00095	.00145	.00073	.00347	.00563	.00874

RUN NO. 195/ 0 RN/L = 1.62 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
3.690	-4.098	.06990	.15840	.19360	.16130	.13930	.11730	.13760	.11100	.11850	245.21000
3.716	- .089	.09220	.11590	.13430	.11300	.11120	.11640	.10830	.10660	.11930	245.21000
3.697	3.924	.03980	.13410	.12310	.10570	.13350	.13870	.13290	.13930	.15840	245.21000
	GRADIENT	-.00375	-.00303	-.00879	-.00693	-.00072	.00267	-.00059	.00353	.00497	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

MACH = 2.600 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 196/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.055	-.042	.01940	.04080	.04960	.03200	.03260	.04610	.03920	.03590	.05240	515.91000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 197/ 0 RN/L = 2.61 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
- .740	-4.042	-.04100	.02280	.01620	.00940	.00410	.05040	.05830	.05450	.05810	515.75000
- .081	- .042	.00320	.04060	.04170	.03150	.02960	.05450	.05180	.05240	.05180	515.91000
.569	3.954	.05120	.05830	.05830	.05230	.07290	.03830	.03990	.03550	.04460	515.91000
	GRADIENT	.00970	.00355	.00526	.00536	.00860	-.00149	-.00230	-.00238	-.00169	.02001

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF)

(1E5066) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-IB = .000 ELV-OB = .000

RUN NO. 198/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
4.053BETA
-0.042
GRADIENT

CP231 CP311 CP312 CP313 CP314 CP301 CP302
 -.00110 .07680 .05890 .05860 .05750 .07760 .07320
 .00000 .00000 .00000 .00000 .00000 .00000 .00000

CP303 CP304 Q(PSF)
 .07400 .07510 515.91000
 .00000 .00000 .00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.000 PT = 15.100
 ELV-IB = .000 ELV-OB = .000

RUN NO. 199/ 0 RN/L = 2.11 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-4.088BETA
.011
GRADIENT

CP231 CP311 CP312 CP313 CP314 CP301 CP302
 .02270 .09330 .10320 .08120 .07930 .08500 .08190
 .00000 .00000 .00000 .00000 .00000 .00000 .00000

CP303 CP304 Q(PSF)
 .08270 .10920 374.07000
 .00000 .00000 .00000

RUN NO. 200/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-6.91BETA
-3.986
.015
.503
GRADIENT

CP231 CP311 CP312 CP313 CP314 CP301 CP302
 .03450 .09450 .07970 .07970 .07100 .08810 .08200
 .03900 .06880 .08570 .07810 .07700 .09140 .08500
 .03520 .10540 .09410 .09030 .08910 .07740 .08420
 .00009 .00135 .00180 .00133 .00226 -.00134 .00027

CP303 CP304 Q(PSF)
 .08390 .08310 373.95000
 .09140 .09600 374.07000
 .08650 .10700 374.07000
 .00032 .00299 .01500

RUN NO. 201/ 0 RN/L = 2.10 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
3.978BETA
.014
GRADIENT

CP231 CP311 CP312 CP313 CP314 CP301 CP302
 .07240 .11380 .10770 .10510 .09590 .11950 .10950
 .00000 .00000 .00000 .00000 .00000 .00000 .00000

CP303 CP304 Q(PSF)
 .11070 .12250 373.95000
 .00000 .00000 .00000

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.1 OFF) (1E5068) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

RUN NO. 202/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.267	-0.083	.08400	.10280	.12370	.11150	.08490	.11500	.10050	.12250	.15090	245.13000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 203/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
.290	-0.086	.06350	.11550	.14450	.12310	.10740	.10510	.09360	.10690	.15950	245.13000
	GRADIENT	.03650	.12270	.10940	.10080	.12270	.13140	.12100	.13080	.15860	245.13000
		-.00106	-.00455	-.00621	-.00446	.00211	.00154	.00060	.00335	.00442	.01000

RUN NO. 204/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
3.803	-0.089	.07950	.11480	.13270	.10730	.10380	.10900	.10610	.10550	.12000	244.97000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 2.600 PT = 15.100
 ELV-18 = .000 ELV-08 = .000

RUN NO. 205/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
-4.116	-0.046	.01820	.03530	.03750	.01350	.01160	.04020	.03780	.03800	.04850	515.75000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 206/ 0 RN/L = 2.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	CP311	CP312	CP313	CP314	CP301	CP302	CP303	CP304	Q(PSF)
.566	-0.039	.00290	.03620	.03840	.02930	.02790	.03700	.05550	.04310	.05180	515.91000
	GRADIENT	.03830	.03720	.04030	.03920	.04490	.02840	.02620	.02540	.03720	516.08000
		.01005	.00230	.00338	.00386	.00495	-.00163	-.00259	-.00261	-.00183	.02125

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TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OTS SRB-NOM MPS-NOM (NO.2 OFF)

(1E5071) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

MACH = 3.500
 ELV-IB = .000

PT = 15.100
 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 211/ 0 RN/L = 1.65 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-4.225

BETA
- .083
GRADIENT

CP231

.03860
.00000

CP311
.09030
.00000

CP312
.10250
.00000

CP313
.07690
.00000

CP314
.07350
.00000

CP301
.08620
.00000

CP302
.07750
.00000

CP303
.08270
.00000

CP304
.10940
.00000

Q(PSF)
244.41000
.00000

RUN NO. 212/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
- .957

BETA
-4.083
- .086
3.914
GRADIENT

CP231

.02760
.03650
.03050
.00036

CP311
.09960
.09740
.11110
.00144

CP312
.10310
.11190
.11110
.00100

CP313
.08800
.07890
.10760
.00245

CP314
.06530
.07250
.10940
.00552

CP301
.09380
.09740
.08210
- .00146

CP302
.08860
.08870
.08910
.00006

CP303
.08620
.08930
.09310
.00086

CP304
.09670
.11480
.11580
.00239

Q(PSF)
244.33000
244.49000
244.41000
.01000

RUN NO. 213/ 0 RN/L = 1.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
3.719

BETA
- .086
GRADIENT

CP231

.04410
.00000

CP311
.10560
.00000

CP312
.11780
.00000

CP313
.09290
.00000

CP314
.08620
.00000

CP301
.09580
.00000

CP302
.09690
.00000

CP303
.09690
.00000

CP304
.11380
.00000

Q(PSF)
244.41000
.00000

ARC87-044 1A82 OT MPS-NOM (NO.2 OFF)

(1E5072) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

MACH = 3.500
 ELV-IB = .000

PT = 15.100
 ELV-08 = .000

PARAMETRIC DATA

RUN NO. 214/ 0 RN/L = 1.72 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
-4.334

BETA
- .086
GRADIENT

CP231
- .02900
.00000

Q(PSF)
244.49000
.00000

RUN NO. 215/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA
- .857

BETA
-4.086
- .086
3.914
GRADIENT

CP231
- .04840
.00703

Q(PSF)
244.57000
244.73000
244.09000
- .06000

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ARC87-044 1A82 OT MPS-NOM (NO.2 OFF)

(1E5072) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
ELV-1B = .000 ELV-0B = .000

RUN NO. 216/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.840 BETA 3.917 Q(PSF)
GRADIENT .00290 244.57000 .00000

ARC87-044 1A82 OT MPS-NOM (NO.1 OFF)

(1E5073) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 IN. YMRP = .0000 IN. YT
BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
ELV-1B = .000 ELV-0B = .000

RUN NO. 217/ 0 RN/L = 1.73 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.272 BETA -.086 Q(PSF)
GRADIENT -.03190 244.73000 .00000

RUN NO. 218/ 0 RN/L = 1.71 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.907 BETA -4.089 Q(PSF)
-.216 -.083 244.81000
.247 3.914 244.81000
GRADIENT .00480 .00687 .00002

RUN NO. 219/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.944 BETA -.083 Q(PSF)
GRADIENT -.02730 244.81000 .00000

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ARC87-044 1A82 OT MPS-OFF

(1E5074) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 220/ 0 RN/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.344
 BETA -.083
 GRADIENT .00000
 CP231 Q(PSF)
 -.02900 244.57000
 .00000 .00000

RUN NO. 221/ 0 RN/L = 1.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.919
 BETA -4.086
 GRADIENT .00741
 CP231 Q(PSF)
 -.05130 244.65000
 -.02670 244.65000
 3.920 244.57000
 .00800 244.57000
 .00741 -.00999

RUN NO. 222/ 0 RN/L = 1.69 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.800
 BETA -.083
 GRADIENT .00000
 CP231 Q(PSF)
 -.02470 244.57000
 .00000 .00000

ARC87-044 1A82 OT MPS-NOM

(1E5075) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 15.100
 ELV-1B = .000 ELV-0B = .000

RUN NO. 223/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.090
 BETA -.083
 GRADIENT .00000
 CP231 Q(PSF)
 -.02950 244.89000
 .00000 .00000

RUN NO. 224/ 0 RN/L = 1.68 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.800
 BETA -4.086
 GRADIENT .00685
 CP231 Q(PSF)
 -.04710 244.73000
 -.02450 244.81000
 3.914 244.65000
 .00770 244.65000
 .00685 -.01000

DATE 06 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OT MPS-NOM

(1E5075) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

PARAMETRIC DATA

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

RUN NO. 225/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.825
 BETA -.083
 GRADIENT .00000
 CP231 -.02590
 Q(PSF) 244.73000

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

PARAMETRIC DATA

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

RUN NO. 226/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.259
 BETA -.083
 GRADIENT .00000
 CP231 -.02770
 Q(PSF) 244.65000

RUN NO. 227/ 0 RN/L = 1.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.860
 BETA -4.089
 GRADIENT 3.911
 CP231 -.05050
 Q(PSF) 244.57000

RUN NO. 228/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.897
 BETA -.083
 GRADIENT .00000
 CP231 -.02690
 Q(PSF) 244.49000

DATE 05 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OT MPS-NOM+

(1E5077) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 15.100
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 229/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.175
 BETA -.083
 GRADIENT .00000

CP231 Q(PSF)
 -.02850 244.89000
 .00000 .00000

RUN NO. 230/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.810
 BETA -4.089
 -.194 -.086
 .581 3.914
 GRADIENT .00750 .01000

CP231 Q(PSF)
 -.04940 244.97000
 -.02310 245.05000
 .01060 245.05000
 .00750 .01000

RUN NO. 231/ 0 RN/L = 1.66 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.791
 BETA -.089
 GRADIENT .00000

CP231 Q(PSF)
 -.02510 244.81000
 .00000 .00000

ARC87-044 1A82 OT MPS-NOM++

(1E5078) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 1290.3000 IN.
 BREF = 1290.3000 IN.
 SCALE = .0100

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 3.500 PT = 6.700
 ELV-IB = .000 ELV-OB = .000

PARAMETRIC DATA

RUN NO. 232/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.237
 BETA -.089
 GRADIENT .00000

CP231 Q(PSF)
 -.06040 108.26000
 .00000 .00000

RUN NO. 233/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.678
 BETA -4.083
 -.159 -.083
 .462 3.911
 GRADIENT .00713 -.02001

CP231 Q(PSF)
 -.07890 108.26000
 -.05780 108.34000
 -.02180 108.10000
 .00713 -.02001

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ARC87-044 1A82 OT MPS-NOM**

(1E5078) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

RUN NO. 234/ 0 RN/L = .78 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 3.878 BETA -.089 CP231 Q(PSF)
 GRADIENT .00000 108.26000 .00000

ARC87-044 1A82 OT MPS-NOM**

(1E5079) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

RUN NO. 235/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -4.212 BETA -.089 CP231 Q(PSF)
 GRADIENT .00000 108.34000 .00000

RUN NO. 236/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA -.741 BETA -4.080 CP231 Q(PSF)
 -.197 -.086 -.05300 108.42000
 .369 3.920 -.01990 108.42000
 GRADIENT .00638 .00000

RUN NO. 237/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA 4.069 BETA -.086 CP231 Q(PSF)
 GRADIENT .00000 108.42000 .00000

DATE 05 FEB 76

TABULATED SOURCE DATA - 1A82C

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ARC87-044 1A82 OT MPS-NOM+++

(1E5080) (22 JAN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 IN. YMRP = .0000 IN. YT
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

MACH = 3.500 PT = 6.700
 ELV-1B = .000 ELV-08 = .000

RUN NO. 238/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	Q(PSF)
-4.016	-.083	-.05750	108.34000
	GRADIENT	.00000	.00000

RUN NO. 239/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	Q(PSF)
-.963	-4.086	-.07750	108.74000
-.197	-.089	-.05330	108.66000
.387	3.914	-.02220	108.10000
	GRADIENT	.00691	-.08002

RUN NO. 240/ 0 RN/L = .79 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	BETA	CP231	Q(PSF)
3.769	-.086	-.05600	108.74000
	GRADIENT	.00000	.00000